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RESULTS OF SAMPLING AND ANALYSIS PLAN IMPLEMENTATION AND PROPOSED CLEANUP PLAN

at

FRANKLIN PLASTICS CORPORATION
Kearny, New Jersey

ECRA Case No. 86026

Prepared for

The Bureau of Environmental Evaluation and
Cleanup Responsibility Assessment
NEW JERSEY DEPARTMENT OF ENVIRONMENTAL PROTECTION
Trenton, New Jersey

Prepared by

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1.0 INTRODUCTION

In a letter from the NJ DEP dated April 4, 1990, a Sampling Plan was approved for Franklin Plastics Corporation, Kearny, NJ. The approved Sampling Plan constituted the work proposed in RECON's letter to the NJ DEP dated October 23, 1989 in addition to the Department's review comments as contained in their April 4, 1990 letter.

In a meeting between the NJ DEP, Franklin Plastics, and RECON SYSTEMS held on May 24, 1990, details concerning the Sampling Plan implementation were discussed. During this meeting, it was emphasized that the need for soil remediation was contingent upon the groundwater quality encountered in the aquifer located below the organic silt aquitard occurring onsite.

This document reports the results of the recent soil sampling and analysis activities and monitoring well installation and sampling activities which took place during June-July, 1990. This report also summarizes all analytical results to date but includes only the recent analytical laboratory support data in the appendices.

A Proposed Cleanup Plan is presented in Sections 5.0-13.0 of this report.

2.0 SUMMARY OF PREVIOUS ACTIVITIES

A Sampling and Analysis Plan (SAP) was first submitted to the NJ DEP for Franklin Plastics on March 18, 1986. Amendments to the SAP were submitted to the NJ DEP on February 12, 1987. The SAP and Amendments were approved by the NJ DEP in a letter dated March 25, 1987. The Plan was implemented by RECON SYSTEMS during the Summer of 1987.

The results of implementing the SAP were reported to the DEP in the report SAMPLING AND ANALYSIS PLAN RESULTS dated October 1, 1987. Soil areas containing petroleum hydrocarbons (PHC), base neutral compounds (B/N), and cadmium and lead exceeding the suggested DEP action levels were identified onsite. Seven (7) overburden monitoring wells were installed and groundwater sampled. Groundwater results indicated that the water table aquifer had not been significantly impacted by the target compounds contained in the soils.

3.0 CONTINUED SOIL INVESTIGATION

Franklin Plastics Corporation retained RECON to implement the second soil and groundwater Sampling and Analysis Plan (SAP) as part of ECRA Case No. 86026. This SAP adheres to the standard NJ DEP ECRA SAP guidelines and specifically addresses items outlined in the DEP letter dated April 4, 1990. This section of the report documents the field procedures of SAP implementation and presents the soil analytical results.

3.1 Soil Sampling and Analytical Results

Soil samples were collected on June 12 and June 13, 1990. All sample locations are indicated on Figure 1, Soil Sampling Locations, PHC Results, and Areas of Environmental Concern. Four (4) samples were collected at the front of the building along Passaic Avenue, five (5) samples were collected around the 50,000 gallon above ground fuel oil tank, and four (4) samples were collected along the bank of the Passaic River. In addition, a background sampling location was selected at the northern edge of the property to serve as a potential baseline for background conditions. Table 1, Summary of Soil Sampling and Analytical Results for PHC, BN, and VOC, and Table 2, Summary of Soil Sampling and Analytical Results for Priority Pollutant Metals, presents the analytical results of all soil sampling involved in this recent investigation. Figure 2 and Figure 3 present the analytical results for BN and metals respectively on a boring location map. All soil maps and tables are comprehensive.

3.2 Passaic River Bank Sampling

Soil samples were collected from the 0-6" soil interval at four (4) locations along the bank of the Passaic River. Three samples were located on Franklin Plastics' property and one sample (PR-1) was

located on the Vornado property immediately north of the Franklin Plastics site. Originally five (5) samples had been requested by the NJ DEP. One (1) sample (PR-5) originally located south of the site could not be collected because of a bulkhead. Mr. Andrew Dillman, ECRA Case Manager, granted verbal permission to drop this sample requirement.

The soil samples were collected at low tide at locations from which seeps were developed through the bank immediately below the high tide line. These seeps are most likely due to water draining from the bank back into the river after the water is absorbed by the bank at high tide. The seeps do not necessarily represent the water table intersecting the bank because the seeps are not continuous along the bank. It must also be noted that considerable trash, plastics, and oil stained flotsam from the river were accumulated along the bank.

Samples along the Passaic River contained concentrations of PHCs, BNs, and various metals above the suggested NJ DEP action levels. All four Passaic River bank samples contained PHCs having concentrations greater than 500 ppmw. Base neutrals were below the detection levels in PR-1 (Two Guys), but were significant in PR-2 and PR-3. PR-4 values for BN were insignificant. Concentrations of antimony, cadmium, and lead exceeded suggested guidelines.

Tables 6 and 7, Results of Total Organic Carbon Analysis and Results of Grain Size Analysis, indicates that all the Passaic River samples contain 53-75% dry weight basis grain size of greater than 4000 micron size, which is equivalent to a coarse sand/very fine gravel. Sample PR-3W contains total organic carbon concentrations of 4.6 milligrams/liter.

Five (5) soil samples had originally been requested from along the river by the DEP. Because of a bulkhead located on the south side of the property, the fifth sampled was not required by Mr. Andy Dillman, ECRA Case Manager.

3.3 Passaic Avenue Sampling

Four (4) samples (B-19, 20 ,21, 22) were collected from between the building and the fence bordering Passaic Avenue as shown on Figure 1. All samples along Passaic Avenue showed significant PHC concentrations to a depth of approximately two feet below grade.

3.4 50,000 Gallon Above Ground Fuel Oil Tank Sampling

Five soil samples (AGT 1-5) were collected from the area within the retaining wall around the oil tank as indicated in Figure 1. Sample AGT-1 contained 281 ppmw PHCs. The other four samples around the tank did not detect PHCs.

3.5 Background Sampling

One soil boring was performed on the north property line and sampled at three depths in an attempt to establish background levels. Samples from 0-6′ and 6-12′ contained greater than 100 ppmw PHCs and 10 ppmw BNs. None of the metals had concentrations above suggested NJ DEP guidelines. The sample from 42-48′ exceeded suggested guidelines for lead only.

4.0 CONTINUED GROUNDWATER INVESTIGATION

In a document submitted to the NJ DEP dated April 4, 1988, additional monitoring wells were proposed along the Passaic River and one well cluster was proposed to investigate hydrogeologic conditions in the saturated zone below the organic silt aquitard. In the DEP's response letter dated April 4, 1990, three (3) deep wells were requested clustered with existing wells. The installation of those requested wells and the groundwater quality results are discussed in the following sections.

4.1 Monitoring Well Installation

On June 12, 1990, two (2) shallow unconsolidated monitoring wells (MW-2R, MW-4R) were installed onsite. These wells replaced MW-2 and MW-4 which had been damaged. The shallow wells were designed to monitor water table conditions. These wells were drilled to a total depth of 7.5 feet utilizing a Simco 2800 Hollow Stem Auger drill rig. These replacement wells were constructed by a New Jersey Licensed well driller according to the NJ DEP Specification for Monitoring Well Construction in Unconsolidated Formations. Previous wells MW-2 and MW-4 were abandoned according to DEP specifications by the same driller, who is certified to abandon wells (see Appendix II for Well Abandonment Forms).

Figure 5, Groundwater Map - Shallow and Deep Aquifer, 7-2-90, shows the locations of all monitoring wells at the Franklin Plastics site. Please refer to Table 5, Summary of Monitoring Well Data, for specifications pertaining to all monitoring wells onsite. Well Construction/Lithologic Logs, Monitoring Well Record forms and As Built Certification Forms A are included in Appendix II.

On June 13, 1990, three (3) double-cased unconsolidated monitoring wells (DW-3, DW-4, DW-5) were installed onsite to monitor groundwater quality in the aquifer located below the 5-10' thick organic clayey silt layer encountered at 6-7' below grade onsite. These wells were installed to a total depth of 21 feet using a B-53 Mobile Drill rig utilizing both the wet rotary and hollow stem auger methods of well installation. All three well locations were first investigated by driving split spoons into the clayey silt bed verifying the thickness of the aquitard. Each well was then installed with 10' of 10" ID steel casing which was grouted into place using the tremie pressure grout method. The casing was installed in a 14" borehole using the wet rotary method. Care was taken not to penetrate the aquitard while installing the casing.

After the grout was allowed to cure overnight, a 4 1/4" ID hollow stem auger (8" OD) was used to drill through the casing and through the remainder of the aquitard into the saturated sand and gravel zone below. Prior to augering, split spoon samples were taken to determine the depth to the clayey silt/sand contact. The wells were then completed at a depth of 21' having 5' of 2" ID PVC screen (.020 slot) located in the sand aquifer. That portion of the open borehole in the aquitard but below the steel casing was sealed with bentonite. Well construction was implemented according to the DEP approved specifications submitted to the DEP in the document dated April 4, 1990.

All wells installed were developed by overpumping until the discharge water was clear of sediments.

4.2 Groundwater Sampling and Analytical Results

A comprehensive round of groundwater samples was collected from the ten (10) onsite wells on July 2, 1990. All samples were analyzed for PHCs via US EPA Method 418.1, volatile organic compounds (VOCs) via US EPA Method 624 +15, base neutrals (BNs) via US EPA Method 625 +15, pH, total dissolved solids, and priority pollutant metals. Table 3, Summary of Groundwater Analytical Results for PHC, BN, VOC, and pH, includes all the results except the metals. Table 4, Summary of Groundwater Priority Pollutant Analytical Results, includes the results of all metals analyses.
Groundwater samples were collected according to methods presented in the NJ DEP Field Procedures Manual for Water Data Acquisition.

Results of the sampling indicate that seven of the ten wells contain petroleum hydrocarbons in concentrations above the suggested action level of 1 ppmw in groundwater. Wells MW-1 and MW-4R contained the highest concentrations at 8.8 ppmw and 10.8 ppmw, respectively. The remainder of the wells ranged from 0.5 (MDL) to 2.2 ppmw. Figure 4, Shallow Groundwater PHC Isopleth, shows the relative concentrations of PHC in groundwater.

Total VOCs above the suggested action level of 0.050 ppm were detected in wells MW-3, MW-7, and DW-5. The highest concentration was 0.143 ppmw VOC in MW-3. Base neutrals were detected in wells MW-7 and MW-4R above action levels. The highest concentration was 0.435 ppmw BN (phthalates) in MW-4R.

In general, the groundwater quality detected in the three double cased wells was much better than that detected in the clustered shallower wells. These results indicate that the clayey silt interval at 6-7′ below grade is acting as an aquitard and is preventing significant downward movement of suspected contaminants.

4.3 Survey

A licensed survey was performed on the new monitoring wells by Nicholas Lebo on July 19,1990. A survey was performed on the previous wells by Lebo on June 7, 1987. Well Location Certification Forms B are included in Appendix II. The reference point for each well was taken from the top of the PVC or teflon casing. Water levels were taken from the top of casing and subtracted from the surveyed elevations of each respective well to determine groundwater elevations. Reference point elevations and water level elevations for two rounds of water level measurements are also presented in Table 5, Summary of Monitoring Well Data. Groundwater flow is discussed in a later section.

4.4 Hydrogeology

Please refer to the document submitted to the DEP on April 4, 1988, which presents geotechnical and geophysical information pertaining to the site for a detailed hydrogeologic summary.

In general, the following stratigraphic sequence was encountered during monitoring well installation:

RECENT	0-6.5′	FILL, with shale clasts, ash, cinders, coal (boiler cleanout), sand, and gravel depending on location on site.
RECENT	6.5-11′	SILT, light-dark grey, very clayey, organic rich with peat zones,tight. Aquitard.
PLEISTOCENE	11-21′	Coarse SAND, with gravel, some silt. Lower aquifer zone.

Groundwater occurs under water table conditions in the saturated zone contained in the fill overlying the clayey silt aquitard. Groundwater encountered in the sand underlying the aquitard is confined. Static water levels in wells completed below the aquitard are generally 2-3' below the static water level measured in the shallower wells, indicating a downward flow potential if the permeability existed.

Static water levels measured in the deep wells are above or within the depth interval of the aquitard. This indicates that groundwater encountered below the aquitard is confined. If it was unconfined, the static water level would be at the aquitard/aquifer contact.

Figures 5 and 6 are groundwater maps showing flow as determined by two sets of static water level measurements taken approximately one month apart (7-2-90 and 8-9-90). Water levels were taken at 10:00 am on 7-2-90 and 3:00 pm on 8-9-90. Low tide occurred at the Battery in New York Harbor at 11:06 am on 7-2-90 and at 5:11 pm on 8-9-90. The tides were approaching ebb when the water levels were measured in both cases.

Groundwater flow in both aquifers is from east to west or towards the Passaic River. Local variations are due to buried utilities.

5.0 PROPOSED CLEANUP PLAN - INTRODUCTION

In the NJ DEP SAP Approval letter dated April 4, 1990, it was requested that the results report for implementing the SAP be accompanied by either a proposed Negative Declaration, a proposed Cleanup Plan, or a Revised Sampling Plan. This document is the Proposed Cleanup Plan and Revised Sampling Plan with respect to AEC #4.

6.0 CLEANUP PLAN - SUMMARY OF ENVIRONMENTAL CONCERNS

In the SAMPLING AND ANALYSIS PLAN RESULTS report submitted to the NJ DEP on October 1, 1987, twelve (12) areas of environmental concern (AEC) were discussed. These AEC's were as follows:

1. A 50,000 gallon above ground fuel storage tank.
2. Two (2) each 275 gallon above ground fuel tanks.
3. A 6,000 gallon underground gasoline tank.
4. Two cement sumps and a dry well.
5. A tank farm for plasticizer oil storage.
6. An expansion chamber and visibly contaminated soils in its vicinity.
7. A plastic resin and plasticizer loading/unloading area.
8. The area adjacent to a dust collector discharge.
9. Soils receiving boiler blowdown.
10. An area receiving discharge from an employee sink.
11. The transformer substation.
12. The fill in the undeveloped area toward the river.

In view of the results of two SAP implementations, it is proposed that AECs 1, 2, 3, 9, and 11 can be considered to be remediated and therefore no longer be considered as part of this investigation. Insignificant target compound concentrations were detected in these four (4) previous AECs. Section 3.4 of this report presents information pertaining to AEC #1. Data for AECs #2, #3, #9, and #11 are contained in the Sampling and Analysis Plan Results report submitted to the DEP on October 1, 1987.

It is proposed that previous AECs 4, 5, 6, 7, and 10 be combined into a new AEC #1. It is also proposed that previous AEC #8 be renumbered as AEC #2 and that previous AEC #12 be renumbered as AEC #4. The following list of proposed AEC's will be addressed in this CUP:

AEC No. 1 A combination of previous AEC's 4, 5, 6, 7, and 10 located on the south side of the facility and adjacent to Passaic Avenue. The target compounds in this area are PHC, BN, and cadmium (Cd) occurring in soils.

AEC No. 2 The area adjacent to the dust collector discharge and former trailer storage area (previous AEC #8). Target compounds include BN and Cd in soils.

AEC No. 3 Free product exists in MW-1. Viscous black oil was reported floating on the water table monitored by MW-1.

AEC No. 4 The fill in the undeveloped area toward the river. Target compounds in this area are PHC, BN, Cd, and Pb occurring in soils (previously AEC #12).

AEC's are shown on Figure 1, Soil Sampling Locations, Petroleum Hydrocarbon Results, and Areas of Environmental Concern.

7.0 CLEANUP PLAN - PROPOSED REMEDIAL ACTIONS

The following remedial actions or additional sampling is proposed for the AEC's:

AEC No. 1 - Encapsulation

Approximately 23,500 square feet of exposed soil and lawn will be paved with asphalt. Paving will consists of approximately two (2") inches of trap rock base, six (6") inches of quarry product (QP, mixed gravel and clayey sand), and four (4") inches of asphalt. Encapsulation will prevent the recharge of groundwater to the water table through the soils thereby preventing the mobilization of target compounds out of the soil into the groundwater system.

Encapsulation is considered a suggested form of alternate technology for soil remediation. Encapsulation or capping is more practical than the classical excavate/backfill approach in this case. Capping limits the access to the soil for human contact or consumption and reduces the generation of airborne particulates. Capping restricts the volume of surface water allowed to infiltrate/percolate through the soil column which may mobilize

target compounds to impact the groundwater system. Encapsulation prevents the access of air or water to the soil which may generate particulates or leachate thereby isolating the target compounds onsite. In this regard, see the report prepared by Mr. James G. Alatsas, P.E., P.P., dated July 11, 1988 previously submitted to the NJ DEP.

AEC No. 2 - Encapsulation

Approximately 55,000 square feet of exposed soil and lawn will be paved with asphalt as described for AEC #1. The two areas will be contiguous as shown on Figure 7, Areas of Encapsulation and Additional Soil Sampling.

AEC No. 3 - Free Product Recovery

Viscous, black oil is floating on the water table in MW-1. It is proposed that the product be recovered using an ejector pump discharging to a drum. An ejector pump uses air pressure to push the fluid from the intake into the drum. No agitation is necessary which would emulsify the fluids (oil/water). The ejector pump system will be designed to recovery the product only while pumping low-yield groundwater to create a cone of depression to capture the product. A more detailed recovery system design will be reported as an addendum to this CUP at a later date.

The oil can be easily bailed from the well resulting in only a thin film of product left on the water table. Because of the viscosity of the oil, recharge to the well through the screen (.020" slot size) is very slow.

AEC No. 4 - Proposed Additional Soil Sampling

Recent soil sampling results from along the bank of the Passaic River as reported in Section 3.2 of this report, indicates the need for additional soil sampling in this area. It is proposed that five (5) borings be performed and located as shown on Figure 7, Areas for Encapsulation and Additional Soil Sampling.

One sample (PR-5) will, with permission of Vornado, be taken to verify previous sample PR-1. PR-6 and PR-7 will be collected to delineate the PHC and BN values detected in PR-2 and PR-3. Proposed samples PR-5, -6, and -7 will be collected from the 0-6" soil interval and analyzed for PHC and BN.

Two borings (PR-8 and PR-9) will be performed approximately thirty (30') feet east of previous borings PR-2 and PR-3. Samples will be collected from the six (6") inch soil interval in the capillary fringe directly above the water table. Both samples will be analyzed for PHC and BN. The purpose of this sampling is to investigate the potential for the target compounds to move through the fill and seep into the Passaic River.

All soil sampling will proceed according to the methods presented in the NJ DEP Field Sampling Procedures Manual.

8.0 PROPOSED CLEANUP LEVELS

Since encapsulation will isolate the soils and prevent the mobilization of target compounds from the site, no cleanup levels for soil are proposed.

The average concentration for PHC in groundwater is 2 ppm. This concentration is not considered significant enough to warrant remediation. Free product (oil) recovery is proposed for the site in respect to AEC #3. No remediation for dissolved PHC in groundwater is proposed. Encapsulation will greatly reduce the amount of recharge and mobilization of PHC from the fill to the water table aquifer. Groundwater quality will continue to be monitored to document the effect of encapsulation.

9.0 PROPOSED WORK PLAN

Remedial activities will proceed after the NJ DEP approves the Proposed Cleanup Plan.

9.1 Encapsulation

Approximately 78,500 square feet of asphalt will be involved in encapsulation. The paving will be to the specifications necessary to support heavy truck traffic. Encapsulation will consist of, from top to bottom, four (4") inches of asphalt, four (4") inches of QP (quarry product) as a stabalizer, and four (4") inches of crushed trap rock. The areas involved will be graded flat prior to encapsulating.

Work will proceed beginning in the strip of lawn between the plant and the fence (property line) bordering Passaic Avenue on the southeast side of the plant. Work will progress around the south side of the building between the transformer area and the building and into the tank farm and truck loading areas. Encapsulation will also take place inside the above ground tank farm. The paving will be carefully sealed to tanks and other vertical surfaces. Please refer to Figure 7 for areas.

Once AEC #1 has been encapsulated and grading has been completed, paving will proceed in AEC #2. No soil will be removed during the grading process.

All work will be performed in Level D personal protective status. Please refer to the site Health and Safety Plan (HASP) for more information.

9.2 Oil Recovery

MW-1 will be equipped with an Ejector Systems, Inc. (ESI) product recovery system. This system is designed for small diameter, low yield wells. ESI ejectors operate using air pressure to displace the fluids to the surface. The ejectors consist of a dual-pump configuration with both a drawdown pump and a Product Only Ejector. The drawdown pump will discharge approximately one-half gallon of water per minute to establish a cone of depression in the water table to capture product flow. The recharge rate for MW-1 is approximately 1 gpm. The Product Only Ejector is designed with a ballasted float allowing for lighter-than-water hydrocarbon recovery while leaving the groundwater in the well. The ejector acts as an oil/water separator in the well.

Recovered oil will be discharged to a fifty-five gallon drum located adjacent to MW-1. The recovered groundwater will be pumped through an oil/water separator to the river (permit required), or possibly into a tanker for licensed disposal. A more detailed recovery design will be submitted as an addendum to this Proposed CUP at a later date.

10.0 POST REMEDIATION SAMPLING AND MONITORING PLAN

No further soil investigation is proposed following encapsulation.

It is proposed that the groundwater quality be monitored for PHC and BN for a period of one year under the NJ Pollutant Discharge Elimination System (NJPDES). If the groundwater quality does not change or improves within the first two quarterly sampling periods, then Franklin Plastics will petition the NJ DEP to discontinue the NJPDES-DGW permit. If groundwater quality is found to degrade during this period, then the permit conditions will have to be reevaluated.

11.0 TIMETABLE

TASKS	Project Schedule in Months							
	1st	2nd	3rd	4th	5th	6th	7th	8th
1. Approval of Cleanup Plan by NJDEP	I---I							
2. Grading		I--------I						
3. Authorization of Paving Contractor		I------I						
4. Encapsulation Activities			I----------I					
5. Recovery System Installation and Start up				I-----I				
6. Product Recovery					I----------I			
7. Groundwater and Product Disposal							I-I	
8. NJPDES Permit Application and Approval		I----------I						
9. Provide Final Documentation to NJDEP							I-------I	
10. Site Inspection by NJDEP								I

12.0 PROGRESS REPORTS

Progress reports will be submitted to the NJDEP on a monthly basis outlining the progress made in meeting the milestones presented in the proposed Time Table.

13.0 ESTIMATED COSTS FOR CLEANUP

Major cost element estimates for proposed cleanup activities:

	$
Encapsulation: Paving of 78,500 square feet of area to truck specifications, grading.	180,000.
Oil Recovery System Design and Implementation	30,000.
Waste water and Oil Disposal	20,000.
Additional Soil Investigation	7,000.
Application for NJPDES Permits (Groundwater and Surface Water)	3,000.
RECON Project Management and Final Cleanup Documentation	6,000.
Total	250,000.

DRAFT PRELIMINARY ESTIMATES

SUBJECT TO CHANGE AS DETAILED DESIGN

AND IMPLEMENTATION PROCEED

TABLES

TABLE 1

SUMMARY OF SOIL ANALYSES RESULTS FOR PETROLEUM HYDROCARBONS, BASE NEUTRALS AND VOLATILE ORGANIC COMPOUNDS

FRANKLIN PLASTICS CORPORATION

All results in ppm

Boring No.	RECON Sample No.	Date Sampled	Depth	Petroleum Hydrocarbons	Base Neutrals	Volatile Organic Compounds
B-1	6881	2/6/87	12-18"	80	ND	0.042
B-2	6882	2/6/87	12-18"	2,710*	109	0.059
B-3	6883	2/6/87	12-18"	1,600*	1,430	ND
B-4						
B-5/1	7824	5/27/87	6-12"	122	25.1	0.665
B-5/2	7825	5/27/87	34-40"	38	1.39	0.142
B-6/1	7878	6/1/87	6-12"	305	119	ND
B-6/2	7879	6/1/87	40-46"	286	22.0	ND
B-7/1	7793	5/26/87	6-12"	188	2,300	ND
B-7/2	7794	5/26/87	36-42"	79	420	0.13
B-8/1	7785	5/26/87	6-12"	20,100	7,000	0.52
B-8/2	7786	5/26/87	14-20"	2,910	3,870	ND
B-9/1	7787	5/26/87	6-12"	105	34.8	0.74
B-9/2	7788	5/26/87	40-46"	222	5.0	0.363
B-10/1	7796	5/26/87	6-12"	7,830	1,678	ND
B-10/2	7797	5/26/87	30-36"	1,120	26,000	4.85
B-11/1	7798	5/26/87	6-12"	322	39	0.059
B-11/2	7799	5/26/87	33-39"	BMDL	3	0.241
B-12/1	7789	5/26/87	6-12"	124	210	ND
B-12/2	7790	5/26/87	26-32"	68	19	ND
B-13/1	7791	5/26/87	6-12"	5,350	11	ND
B-13/2	7792	5/26/87	20-26"	3,320	28	0.73
B-14	8215	7/3/87	Sump Sludge	NA	2,751	0.160
B-7A	7795	5/26/87	36-42"	NA	54	
B-10A/1			12-18"		11.4	
B-10A/2			30-36"		1.19	
B-10B/1			12-18"		279	
B-10B/2			30-36"		41.6	
B-10B/3			36-42"		13	
B-10C/1			12-18"		1.28	
B-10C/2			30-36"		8.5	
B-10C/3			36-42"		21.05	
B-10D/1			12-18"		56	
B-10D/2			30-36"		2,449	
B-10D/3			36-42"		381	
B-10E/1			12-18"		6.64	
B-10E/2			30-36"		65.58	
B-10F/1			12-18"		19.84	
B-10F/2			30-36"		87.8	
B-10G/1			12-18"		1,558	
B-10G/2			30-36"			
B-15	8285	7/9/87	6-12"	192	NA	NA
B-16	8286	7/9/87	6-12"	298	NA	NA
B-17	8287	7/9/87	6-12"	1,080	NA	NA
B-18/1	7800	5/26/87	6-12"	6,030	NA	NA
B-18/2	7801	5/26/87	30-36"	3,590	NA	NA
B-19/22	7882	6/2/87	Composite	6,620	126	0.089

TABLE 1 (cont'd)

Boring No.	RECON Sample No.	Date Sampled	Depth	Petroleum Hydrocarbons	Base Neutrals	Volatile Organic Compounds
B-23/1	7802	5/26/87	6-12"	321	NA	NA
B-23/2	7803	5/26/87	68-74"	123	NA	NA
B-24/1	7804	5/26/87	6-12"	10,400	NA	NA
B-24/2	7805	5/26/87	24-30"	451	NA	
B-25	7818	5/27/87	35-41"		NA	
B-26	7819	5/27/87	35-41"		NA	
B-27	7820	5/27/87	37-43"		NA	
B-28	7821	5/27/87	37-43"		NA	
B-29	7822	5/27/87	39-45"		NA	
B-30	7823	5/27/87	39-45"		NA	
B-31/2	7884	6/2/87	6-12"	1,330	241	0.535
B-31/3	7885	6/2/87	42-47"	96	533	0.513
B-32/2	7887	6/2/87	6-12"	299	42	0.699
B-32/3	7888	6/2/87	40-44"	182	18	0.590
B-33/2	7890	6/2/87	6-12"	153	144	ND
B-33/3	7891	6/2/87	45-50"	6,420*	110	ND
B-34	7849	5/29/87	0-6"	19,300*	405	---
B-31/1	7883	6/2/87	0-6"	ND	ND	ND
B-32/1	7886	6/2/87	0-6"	ND	ND	ND
B-33/1	7889	6/2/87	0-6"	ND	ND	ND
MW-1/1	7852	5/29/87	6-12"	761	BMDL	0.277
MW-1/2	7853	5/29/87	42-48"	4,800*	BMDL	0.300
MW-2/1	7840	5/28/87	6-12"	222	369	ND
MW-2/2	7841	5/28/87	42-48"	72	5	0.38
MW-3/1	7850	5/29/87	6-12"	2,070	370	0.056
MW-3/2	7851	5/29/87	30-36"	735	14	0.590
MW-4/1	7874	6/1/87	6-12"	20,100	963	0.872
MW-4/2	7875	6/1/87	42-48"	11,600	11	ND
MW-5/1	7876	6/1/87	6-12"	6,040	9,800	0.890
MW-5/2	7877	6/1/87	42-48"	143	201	0.483
MW-6/1	7880	6/1/87	6-12"	217	14	ND
MW-6/2	7881	6/1/87	76-84"	301	1.5	0.306
MW-7/1	7842	5/28/87	6-12"	18,100	BMDL	LT
MW-7/2	7843	5/28/87	44-50"	55	BMDL	ND
PR-1	21125	6/12/90	0-6"	574	ND	---
PR-2	21126	6/12/90	0-6"	4,730	3,700*	---
PR-3	21139	6/13/90	0-6"	1,690	4,518	---
PR-4	21140	6/13/90	0-6"	919	34	---
AGT-1	21131	6/12/90	24-30"	281	NA	---
AGT-2	21132	6/12/90	18-24"	ND	NA	---
AGT-3	21133	6/12/90	18-24"	ND	NA	---
AGT-4	21134	6/12/90	18-24"	ND	ND	---
AGT-5	21135	6/12/90	18-24"	ND	NA	---
B-19	21127	6/12/90	12-16"	2,490	NA	---
B-20	21128	6/12/90	22-26"	4,260	NA	---
B-21	21129	6/12/90	14-20"	3,120	NA	---
B-22	21130	6/12/90	12-18"	244	NA	---
BGD	21141	6/13/90	0-6"	190	19	---
BGD	21142	6/13/90	6-12"	426	29	---
BGD	21143	6/13/90	42-48"	93	ND	---

TABLE 2

SUMMARY OF SOIL SAMPLING AND ANALYTICAL RESULTS
FOR PRIORITY POLLUTANT METALS

FRANKLIN PLASTICS CORPORATION

All results in ppm.

Boring No.	RECON Sample No.	Sample Depth	Date	Analytical Parameter												
				Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Th	Zn
B-1	6881	12-18"		<0.1	1.95	0.76	1.9	21.6	345	68	0.14	17.9	0.33	<1	0.60	60
B-2	6882	12-18"		0.27	5.0	0.54	1.7	16.5	5.75	185	0.44	17.3	0.77	<1	0.56	77.4
B-3	6883	12-18"		0.65	1.5	0.53	3.27	20.4	43.6	83.4	<0.1	16.9	0.50	1.26	<0.1	191
B-5/1	7824	6-12"	5/27/87	ND	16	ND	38.4	19.6	164	312	0.7	22.4	0.7	ND	27	589
B-5/2	7825	34-40"	5/27/87	ND	20	1.2	1.1	7.5	64.6	739	0.4	22.1	<0.2	ND	24	193
B-6/1	7878	6-12"	6/1/87	<20	2.0	<1.0	450	22	69.6	160	0.4	20	<0.2	ND	ND	ND
B-6/2	7879	40-46"	6/1/87	29	0.8	1.3	1.0	14	31.5	48	<0.1	20	ND	ND	ND	62.7
B-7/1	7793	6-12"	5/26/87	<40	<0.4	ND	1.0	<6.0	40.2	67	<0.1	8.7	<0.2	ND	ND	49.3
B-7/2	7794	36-42"	5/26/87	<40	1,300	ND	287	41.5	232	1,040	1.7	11.1	0.2	7.3	ND	3,020
B-8/1	7785	6-12"	5/26/87	<40	0.8	ND	185	53.8	123	1,740	0.1	43.5	<0.2	3.9	17	293
B-8/2	7786	14-20"	5/26/87	<40	0.7	ND	59.8	31.1	89.7	523	0.4	26.5	<0.2	3.2	11	487
B-9/1	7787	6-12"	5/26/87	<40	2.0	ND	<1.0	23.2	12.9	31	ND	<6.0	ND	ND	ND	36.8
B-9/2	7788	40-46"	5/26/87	<40	<0.4	ND	1.2	<6.0	31.8	126	0.1	17.5	<0.2	<3	ND	46.9
B-10/1	7796	6-12"	5/26/87	<40	1.4	ND	10.5	12.6	291	283	0.8	19.5	<0.2	3.2	11	290
B-10/2	7797	30-36"	5/26/87	<40	0.52	ND	1.0	ND	29.9	2,150	4.8	<6.0	0.2	ND	ND	20.0
B-11/1	7798	6-12"	5/26/87	<40	0.69	ND	8.5	12.4	60.2	288	0.3	15.0	<0.2	3.1	<10	227
B-11/2	7799	33-39"	5/26/87	<40	1.8	ND	1.4	22.9	21.7	72	0.2	26.1	ND	3.9	ND	91.7
B-12/1	7789	6-12"	5/26/87	<40	1.8	ND	5.2	20.6	53.0	159	0.4	19.8	<0.2	3.2	11	397
B-12/2	7790	26-32"	5/26/87	48	1.2	ND	563	10.3	32.1	82	<0.1	7.0	<0.2	3.2	ND	594
B-13/1	7791	6-12"	5/26/87	<40	ND	ND	1.8	7.7	340	94	ND	22.0	<0.2	ND	ND	131
B-13/2	7792	20-26"	5/26/87	<40	0.7	ND	1.1	<6.0	24.1	76	0.4	17.7	<0.2	ND	ND	127
B-18/1	7780	6-12"	5/26/87	NOT ANALYZED												
B-18/2	7801	30-36"	5/26/87	NOT ANALYZED												
B-15	8285	6-12"	7/9/87	NOT ANALYZED												
B-16	8286	6-12"	7/9/87	NOT ANALYZED												

Table 2 (cont'd)

Boring No.	RECON Sample No.	Sample Depth	Date	Analytical Parameter												
				Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Th	Zn
B-17	8287	6-12"	7/9/87	NOT ANALYZED												
B-23/1	7802	6-12"	5/26/87	NOT ANALYZED												
B-23/2	7803	68-74"	5/26/87	NOT ANALYZED												
B-19-22	7882															
B-24/1	7804	6-12"	5/26/87	NOT ANALYZED												
B-24/2	7805	24-30"	5/26/87	NOT ANALYZED												
B-31/1	7883	0-6"	6/2/87	38	0.5	<1.0	130	65	88	360	0.6	87	<0.2	ND	ND	234
B-31/2	7884	6-12"	6/2/87	29	0.8	<1.0	250	67	84.9	265	0.3	66	<0.2	ND	ND	131
B-31/3	7885	42-47"	6/2/87	25	2.4	<1.0	18	15	81.0	225	0.6	18	0.2	ND	ND	740
B-32/1	7886	0-6"	6/2/87	33	ND	<1.0	9	32	106	229	1.4	55	<0.2	<3	ND	<170
B-32/2	7887	6-12"	6/2/87	34	2.0	<1.0	2	16	25.0	123	0.3	19	<0.2	ND	ND	341
B-32/3	7888	40-44"	6/2/87	34	1.1	1.7	7	26	45.6	221	0.5	26	<0.2	ND	ND	258
B-33/1	7889	0-6"	6/2/87	42	8.3	1.7	9	33	46.1	161	0.2	69	<0.2	ND	ND	214
B-33/2	7890	6-12"	6/2/87	21	1.5	1.6	510	32	20.5	44	<0.1	44	ND	ND	ND	126
B-33/3	7891	45-50"	6/2/87	3,350	ND	<1.0	510	145	2,070	802	0.2	31	<0.2	ND	ND	1,180
B-34	7849	0-6"	5/29/87	NOT ANALYZED												
MW-1/1	7852	6-12"	5/27/87	ND	2.8	ND	1.4	20.9	37.6	229	0.4	13.9	<0.2	ND	ND	122
MW-1/2	7853	42-48"	5/27/87	40	15	<1.0	22.7	7.5	212	179	0.7	18.5	0.3	ND	ND	482
MW-2/1	7840	6-12"	5/27/87	ND	7.9	<2	<2	24.2	11.9	69	<0.2	15.3	0.2	3.0	34	65.9
MW-2/2	7841	42-48"	5/27/87	31	15	1.2	<1.0	15.4	11.7	69	<0.2	15.3	0.2	3.0	34	48.2
MW-3/1	7850	6-12"	5/27/87	61	6.5	ND	69.5	39.4	96.9	527	0.5	400	<0.2	ND	ND	333
MW-3/2	7851	30-36"	5/27/87	38	11	<1.0	8.4	7.1	20.9	68	<0.2	14.3	<0.2	ND	ND	32.5
MW-4/1	7874	6-12"	6/1/87	38	<0.4	<1.0	44	26	174	218	0.3	26	<0.2	ND	ND	278
MW-4/2	7875	42-48"	6/1/87	29	ND	ND	10	21	136	219	0.1	25	<0.2	ND	ND	270
MW-5/1	7876	6-12"	5/27/87	20	2.5	4.0	85	14	23.2	40	0.1	14	<0.2	ND	ND	64.3
MW-5/2	7877	42-48"	6/1/87	25	<0.4	<1.0	4	18	717	436	0.7	16	<0.2	ND	ND	302
MW-6/1	7880	6-12"	6/1/87	25	1.7	1.3	480	31	75.8	302	0.6	27	<0.2	ND	ND	454
MW-6/2	7881	76-84"	6/1/87	42	2.1	1.3	1	18	136	1,150	0.2	22	0.36	ND	ND	133
MW-7/1	7842	6-12"	5/27/87	ND	3.2	ND	1.8	19	124	239	0.4	12.5	<0.2	<3	ND	474
MW-7/2	7843	44-40"	5/27/87	ND	9.9	<2	43.7	31.0	210	146	0.5	16.2	0.2	ND	ND	1,570
PR-1	21125	0-6"	6/12/90	<1.7	NA	NA	0.58	26.7	49.2	250	NA	NA	NA	NA	NA	223
PR-2	21126	0-6"	6/12/90	16,200	NA	NA	4.75	97.3	80.6	7.1	NA	NA	NA	NA	NA	201
PR-3	21139	0-6"	6/13/90	2.9	NA	NA	8.49	54.7	53.0	382	NA	NA	NA	NA	NA	133

Table 2 (cont'd)

Boring No.	RECON Sample No.	Sample Depth	Date	Analytical Parameter												
				Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Th	Zn
PR-4	21140	0-6"	6/13/90	<1.9	NA	NA	1.68	44.8	85.6	143	NA	NA	NA	NA	NA	240
BGD	21141	0-6"	6/13/90	1.8	NA	NA	0.47	16.4	40.7	82.2	NA	NA	NA	NA	NA	171
BGD	21142	6-12"	6/13/90	ND	NA	NA	2.2	18.3	33.7	82.9	NA	NA	NA	NA	NA	129
BGD	21143	42-48"	6/13/90	ND	NA	NA	0.54	16.0	101	120	NA	NA	NA	NA	NA	310

ECRA ACTION LEVELS

Sb	=	Antimony	2
As	=	Arsenic	20
Be	=	Beryllium	1
Cd	=	Cadmium	3
Cr	=	Chromium	100
Cu	=	Copper	170
Pb	=	Lead	100
Hg	=	Mercury	1
Ni	=	Nickel	100
Se	=	Selenium	4
Ag	=	Silver	5
Th	=	Thallium	5
Zn	=	Zinc	350

TABLE 3

SUMMARY OF GROUNDWATER SAMPLE RESULTS

FRANKLIN PLASTICS CORPORATION

All water results in mg/l (parts per million by weight).

Well No.	RECON Sample No.	Date	Petroleum Hydrocarbons	pH (SU)	Total Dissolved Solids	Total Volatile Organics	Total Phthalates	Total Polycyclic Aromatic Hydrocarbons	Total Base Neutrals
MW-1	21575	7/2/90	8.6	6.45	275	ND	ND	LT	LT
MW-3	21577	7/2/90	2.0	6.92	194	0.143	LT	ND	LT
MW-5	21579	7/2/90	1.9	6.54	368	0.006	LT	ND	LT
MW-6	21580	7/2/90	0.5	6.60	223	LT	ND	ND	ND
MW-7	21581	7/2/90	0.7	6.46	472	0.021	0.053	ND	0.053
MW-2R	21576	7/2/90	1.9	6.59	440	ND	ND	ND	ND
MW-4R	21578	7/2/90	10.8	6.21	393	LT	0.435	ND	0.435
DW-3	21582	7/2/90	1.9	6.79	2,681	LT	ND	ND	ND
DW-4	21583	7/2/90	2.2	6.65	3,121	ND	ND	ND	ND
DW-5	21584	7/2/90	0.9	6.41	2,674	0.045	0.017	ND	0.017
Field Blank	21585	7/2/90	0.5	NA	NA				

ND = None Detected

LT = Detected amount, if any, is less than minimum detection limit.

Petroleum Hydrocarbons analyzed via US EPA Method 418.1.

Reported concentrations do not include estimated or tentatively identified compounds.

1575.TAB 8.11.90

TABLE 4

SUMMARY OF GROUNDWATER SAMPLING AND ANALYSIS RESULTS

for

PRIORITY POLLUTANT METALS

FRANKLIN PLASTICS CORPORATION

All water results in mg/l (parts per million by weight).

Sample Identification RECON Sample No.	MW-1 21575	MW-2R 21576	MW-3 21577	MW-4R 21578	MW-5 21579	MW-6 21580	MW-7 21581	DW-3 21582	DW-4 21583	DW-5 21584	Minimum Detection Limit
PARAMETER											
Antimony	ND	ND	ND	ND	ND	ND	ND	LT	LT	LT	0.05
Arsenic	0.03	LT	LT	0.01	0.01	0.01	LT	0.04	LT	ND	0.01
Beryllium	ND	ND	LT	ND	ND	LT	0.005	0.008	LT	LT	0.003
Cadmium	LT	LT	LT	LT	LT	0.005	0.008	LT	LT	LT	0.003
Chromium	LT	ND	ND	LT	ND	ND	ND	ND	ND	ND	0.02
Copper	LT	ND	ND	LT	ND	ND	0.18	LT	LT	LT	0.01
Lead	ND	ND	ND	ND	ND	ND	0.08	LT	LT	LT	0.03
Mercury	ND	ND	ND	0.003	ND	ND	LT	ND	ND	ND	0.001
Nickel	LT	ND	ND	ND	ND	ND	ND	LT	<0.06	LT	0.06
Selenium	ND	ND	ND	ND	ND	ND	ND	ND	ND	ND	0.008
Silver	ND	ND	ND	ND	ND	LT	ND	LT	LT	LT	0.008
Thallium	ND	LT	LT	LT	LT	LT	ND	0.06	0.07	0.06	0.04
Zinc	0.025	0.019	0.005	0.019	0.039	0.071	0.103	0.008	0.013	0.013	0.003

ND = None Detected

LT = Detected amount if any, was less than minimum detection limit.

1575.TAB

TABLE 5

SUMMARY OF MONITORING WELL DATA

FRANKLIN PLASTICS CORPORATION

Well No.	MW-1	MW-3	MW-5	MW-6	MW-7	MW-2R	MW-4R	DW-3	DW-4	DW-5
Permit No.	26-10790-2	26-10792-9	26-10794-5	26-10795-3	26-10796-1	26-20675-7	26-20755-9	26-20725-7	26-20726-5	26-20727-3
Date Installed	5/29/87	5/29/87	6/1/87	6/1/87	5/28/87	6/13/90	6/13/90	6/14/90	6/14/90	6/14/90
Cased Interval	0-3'	0-1.5'	0-2.5'	0-5'	0-2.5'	+2.5'	0-2.5'	0-16'	0-16'	0-16'
Screened Interval	3-8'	1.5-6.5'	2.5'-6'	5-10'	2.5-9'	2.5-7.5'	2.5-7.5'	16-21'	16-21'	16-21'
Surveyed Elevation (MSL)*	7.74'	8.68'	7.26'	12.77'	10.90'	10.07'	6.98'	6.13'	7.11'	7.56'
Water Level** Elevation (MSL) 7/2/90	3.6'	4.38'	3.41'	3.77'	2.30'	4.07'	3.63'	1.13'	1.05'	0.16'
Static Water Level Elevation (MSL) 8.9.90	3.6'	4.43'	4.29'	4.12'	4.75'	4.22'	4.44'	1.82'	1.64'	1.69'
Diameter	4"	4"	4"	4"	4"	4"	4"	2"	2"	2"
Slot Size	0.020"	0.020"	0.020"	0.020"	0.020"	0.020"	0.020"	0.020"	0.020"	0.020"
Total Depth**	8.0'	6.5'	6.0'	10.0'	9.0'	7.5'	7.5'	21.0'	21.0'	21.0'
Construction Material	Teflon	Teflon	Teflon	Teflon	Teflon	PVC	PVC	PVC	PVC	PVC
Well Design	Flush Mount	Stick Up	Flush Mount	Stick Up	Stick Up	Stick Up	Flush Mount	Flush Mount	Flush Mount	Flush Mount

* Reference Point is Top of Inner Casing.

** Below Reference Point (August 9, 1990)

*** Mean Sea Level

1575.TAB 8.11.90

TABLE 6

RESULTS OF TOTAL ORGANIC CARBON

FRANKLIN PLASTICS CORPORATION

Sample No.	RECON Sample No.	Results	Limit
PR-3W	21173	4.6	2.0

TOC analyzed via US EPA Method 415.2

1699 8.10.90

TABLE 7

RESULTS OF GRAIN SIZE ANALYSES

FRANKLIN PLASTICS CORPORATION

Sample Identification	PR-1	PR-2	PR-3	PR-4
RECON Sample No.	21125	21126	21139	21140
Depth	0-6"	0-6"	0-6"	0-6"
Mircon Size	Weight Percent (Dry Basis)			
>4,000	63.6	53.6	55.7	74.8
2,000 - 4,000	12.5	13.6	19.3	7.9
1,000 - 2,000	4.3	5.6	4.6	3.7
250 - 1,000	10.9	14.4	11.1	10.6
125 - 250	3.3	4.8	4.5	1.5
88 - 125	1.2	2.0	1.5	0.4
63 - 88	0.5	0.7	0.3	0.1
44 - 88	1.7	2.9	1.5	0.4
<44	1.9	1.9	1.3	0.5
Analytical Loss	0.1	0.5	0.2	0.1

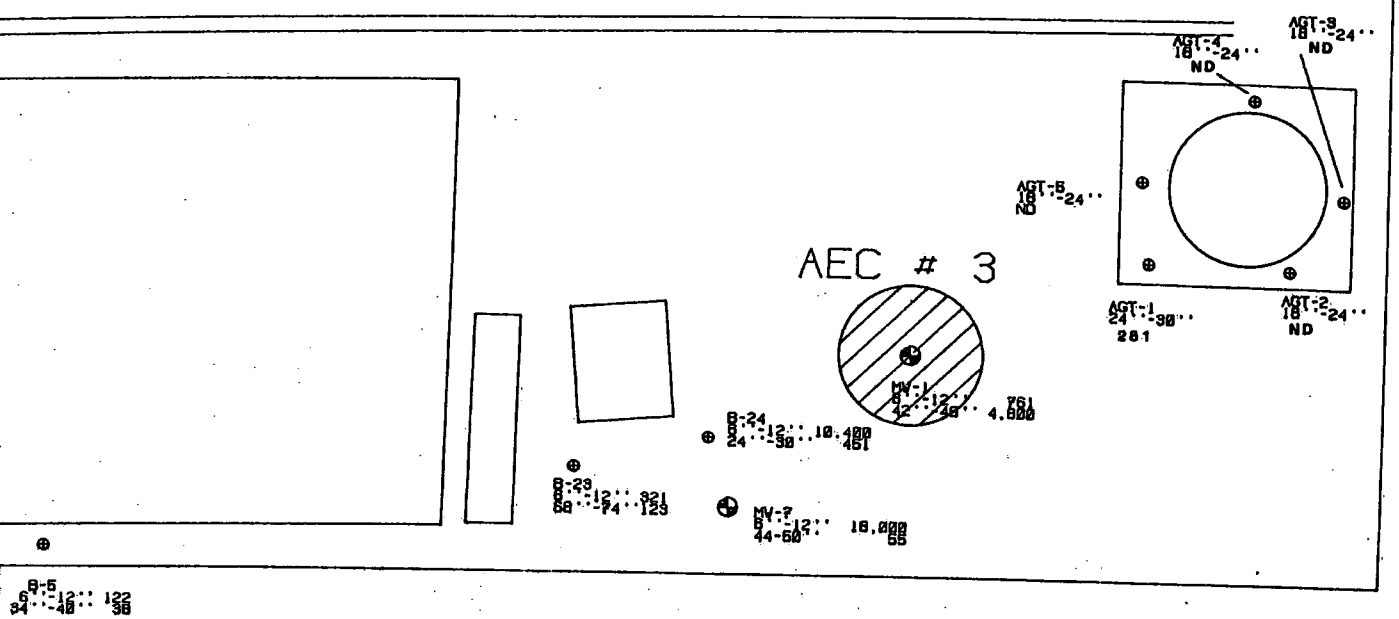
< = Less than value shown.

> = Greater than value shown.

NOTE: Sediment lithology would be very coarse sand/fine gravel (Wentworth).

1699 8.11.90

FIGURES



T SOIL SAMPLING LOCATION

DUS SOIL BORING LOCATIONS AND PHC ANALYSIS (ppm)

RING WELL LOCATIONS

NED WELL

ETECTED

MINIMUM DETECTION LIMIT

ALYZED

OF ENVIRONMENTAL CONCERN

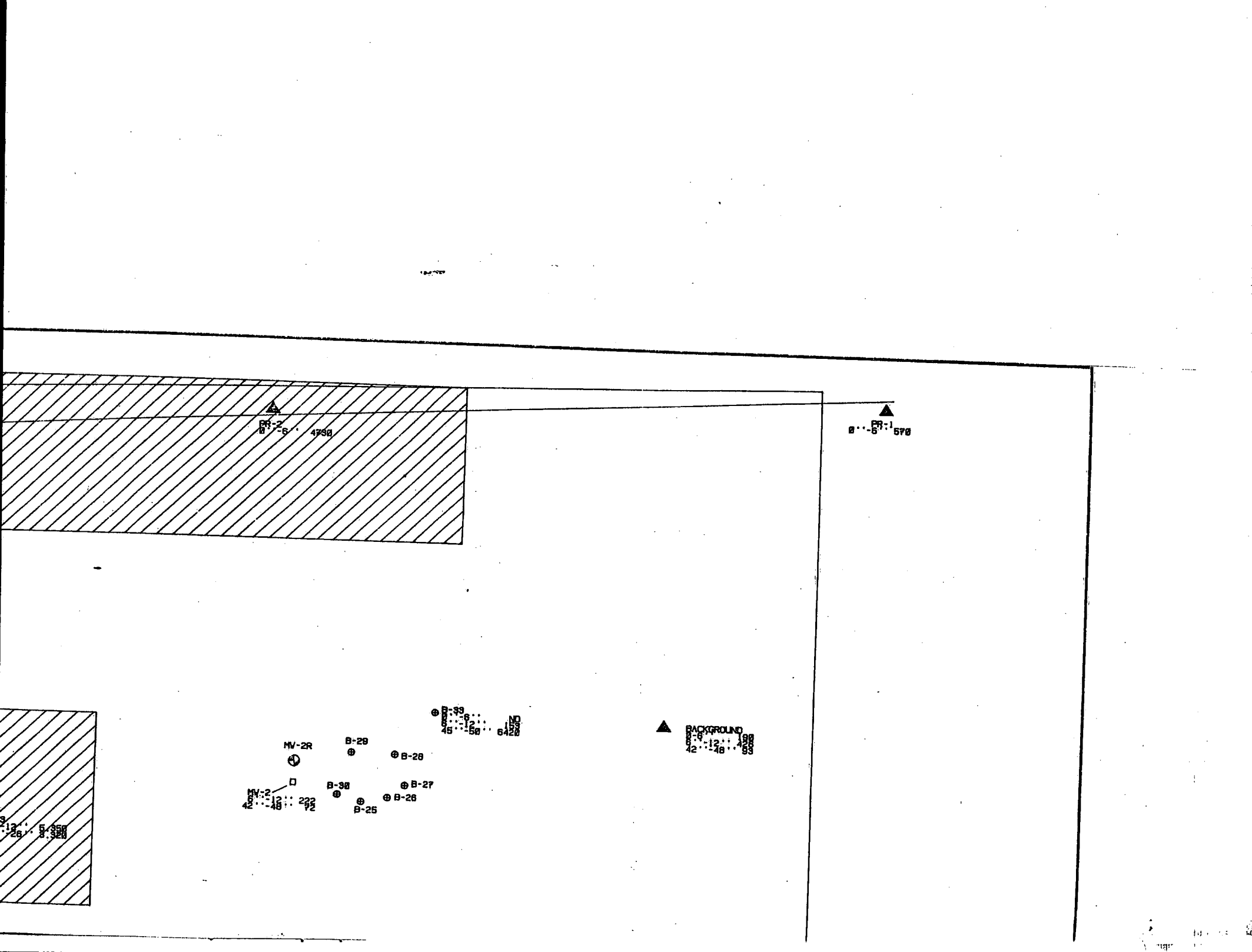
FIGURE 1

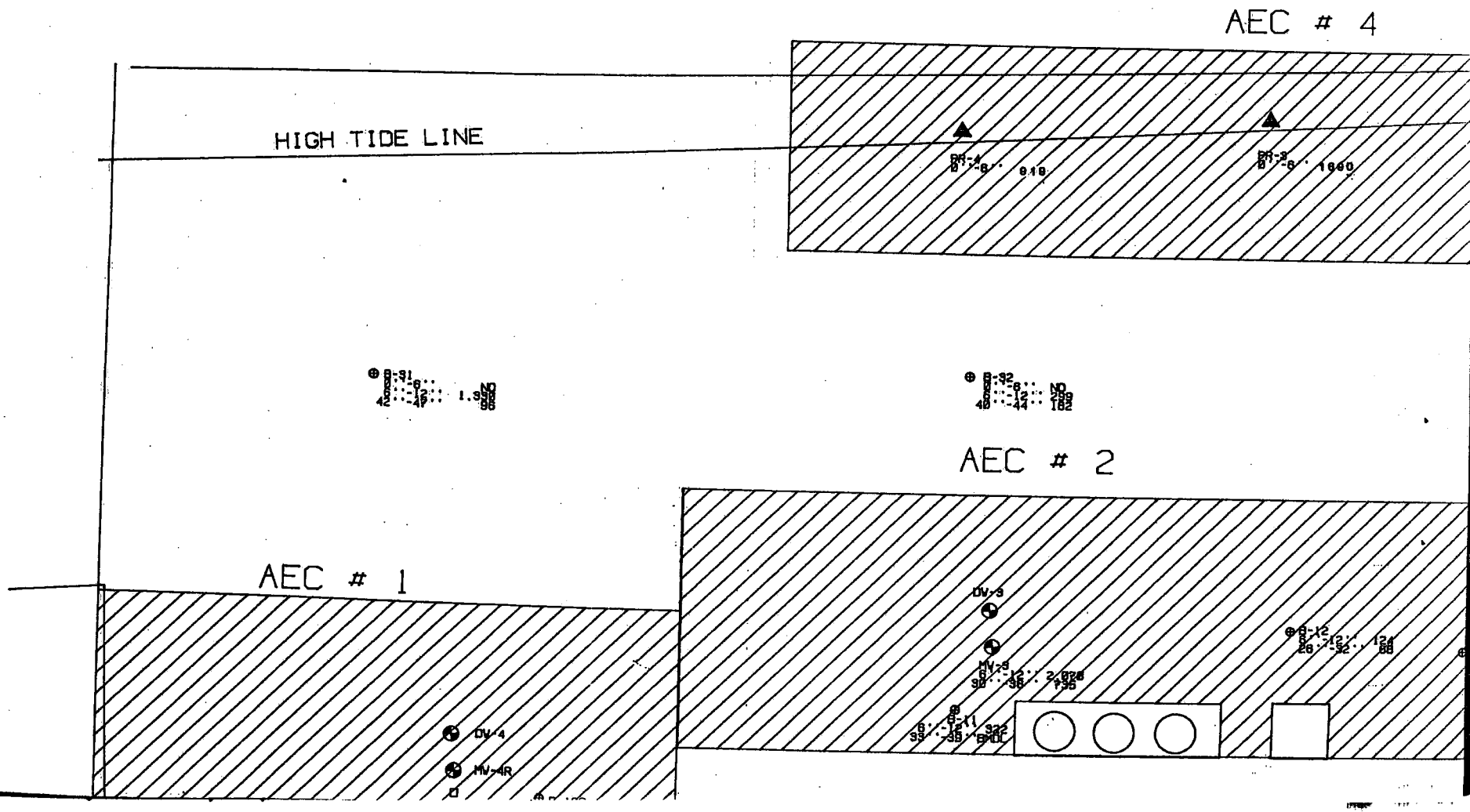
RECON SYSTEMS, INC.
ROUTE 202 NORTH, THREE BRIDGES, NJ 08887

TITLE: SOIL SAMPLING LOCATIONS, PETROLEUM HYDROCARBON RESULTS AND AREAS OF ENVIRONMENTAL CONCERN

CLIENT: FRANKLIN PLASTICS

SCALE: AS NOTED	DATE: 8-15-90
DRAWN: AHU	
CHECKED: CAE	
APPROVED: SEL	DRAWING NO. 1699-100-D


PR-2
0'-6'' 4730
PR-1
0'-6'' 570
B-33
0'-6''
6''-12''
48''-50'' ND
1570
6420
BACKGROUND
0'-6'' 190
6''-12'' 420
42''-48'' 93
MV-2R
B-29
B-28
B-30
B-27
B-26
MV-2
6''-12'' 222
42''-48'' 72
B-25
-12'' 5,350
-26'' 9,320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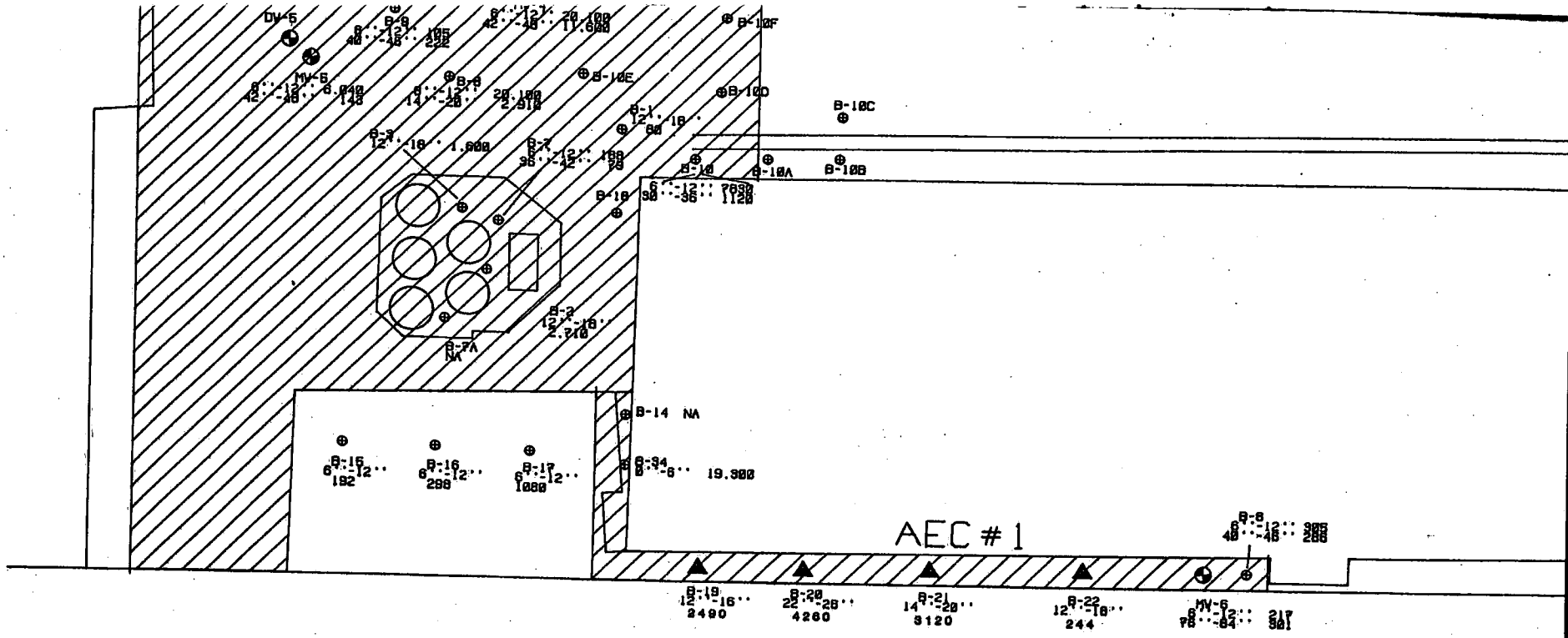
HIGH TIDE LINE
AEC # 2
AEC # 1
DV-4
MW-4R
DV-3
MW-3



KE

▲ REC

⊕ PRE

◒ MON

▫ ABA

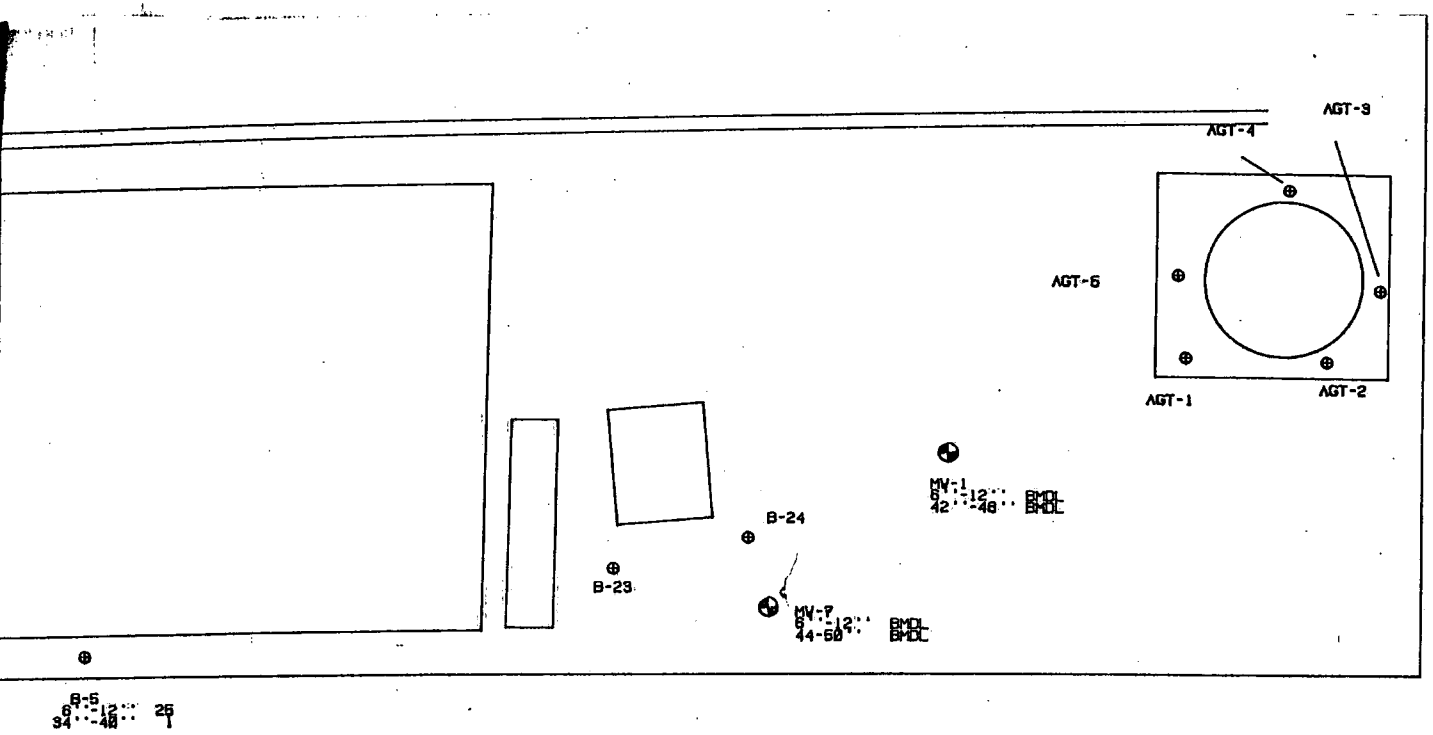
ND NON

BMDL BEL

NA NOT

AEC #

ARE



CENT SOIL SAMPLING LOCATION

EVIOUS SOIL BORING LOCATIONS AND B/N ANALYSIS (ppm)

ITORING WELL LOCATIONS

NDONED WELL

E DETECTED

OW MINIMUM DETECTION LIMIT

ANALYZED

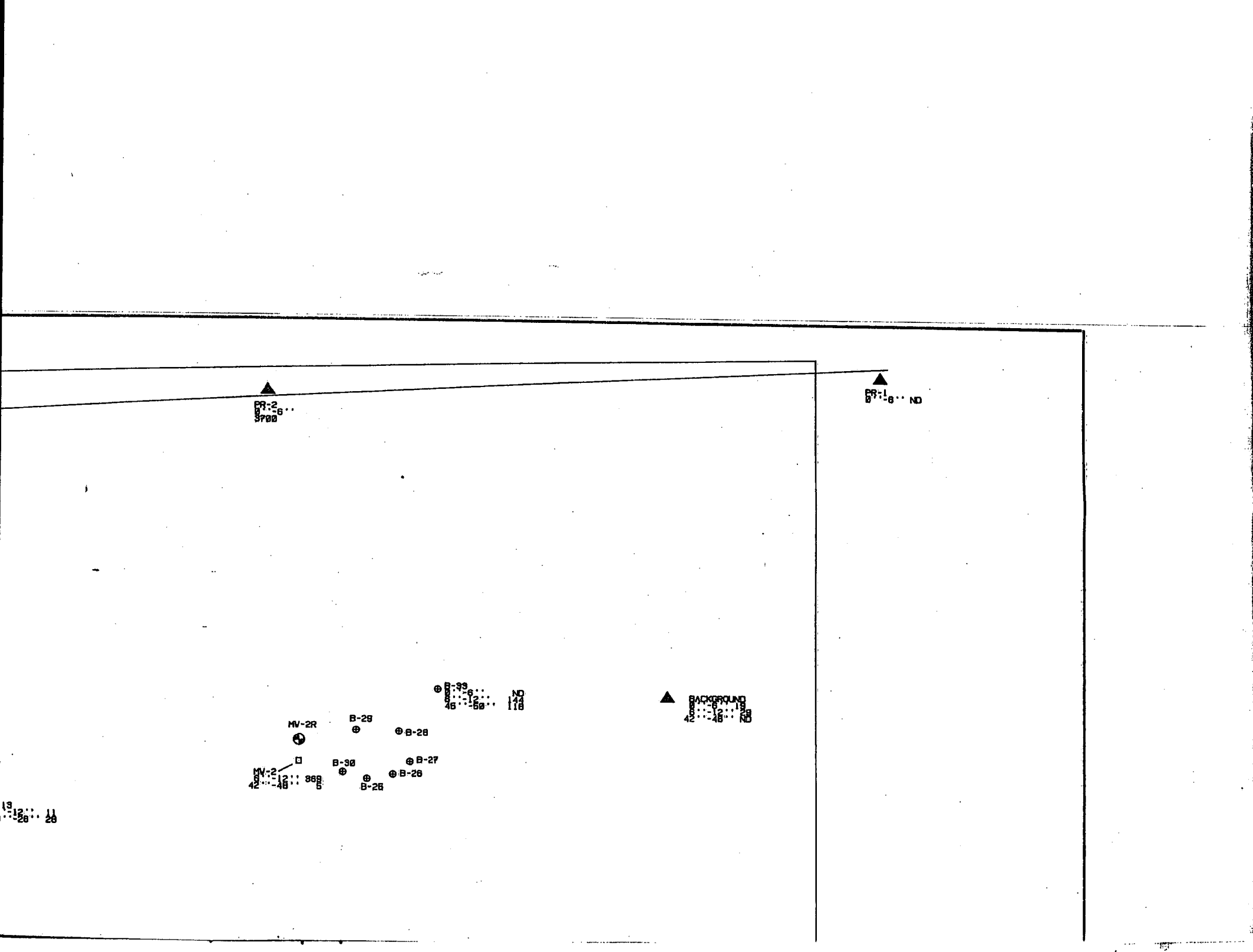
FIGURE 2

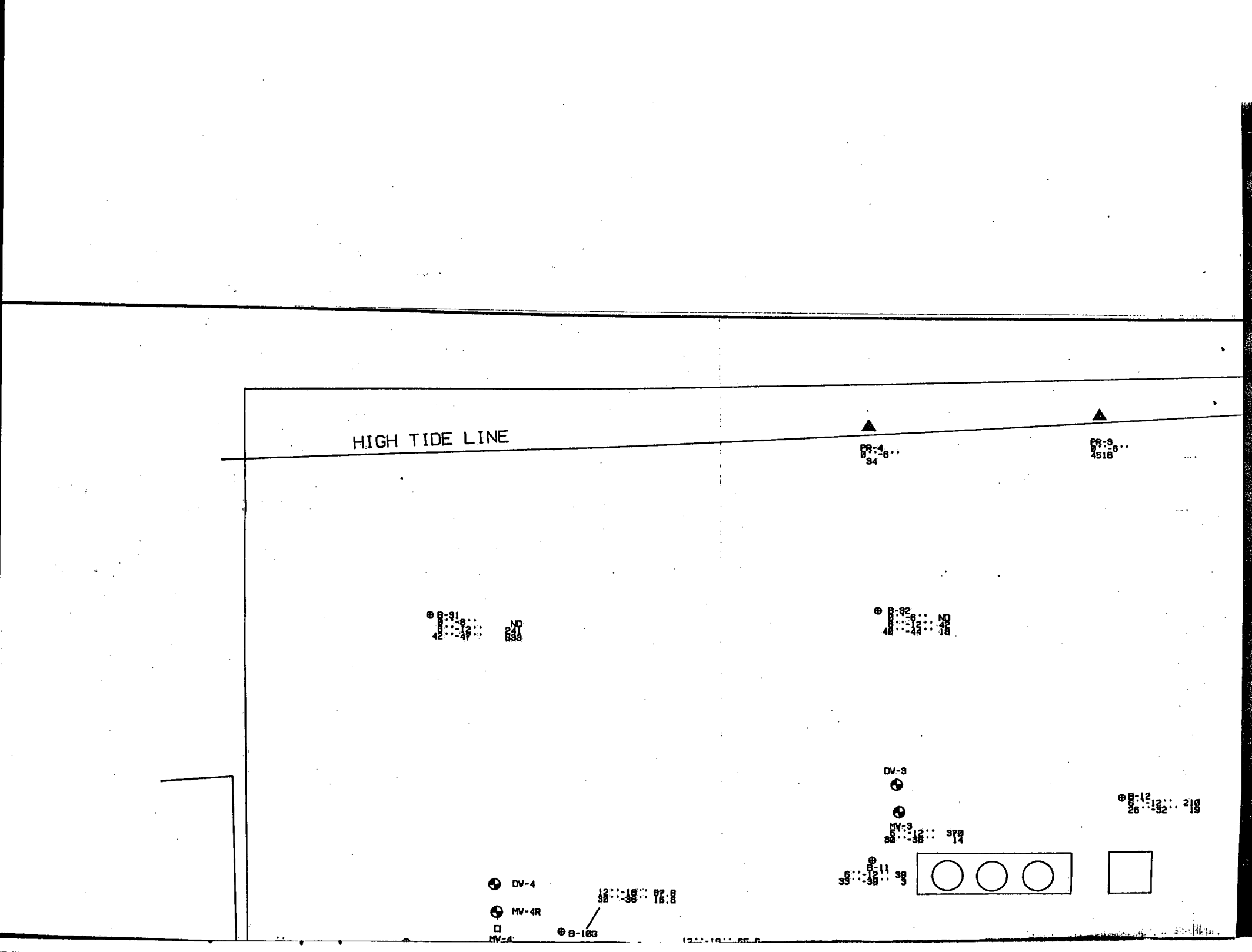
RECON SYSTEMS, INC.
ROUTE 202 NORTH, THREE BRIDGES, NJ 08887

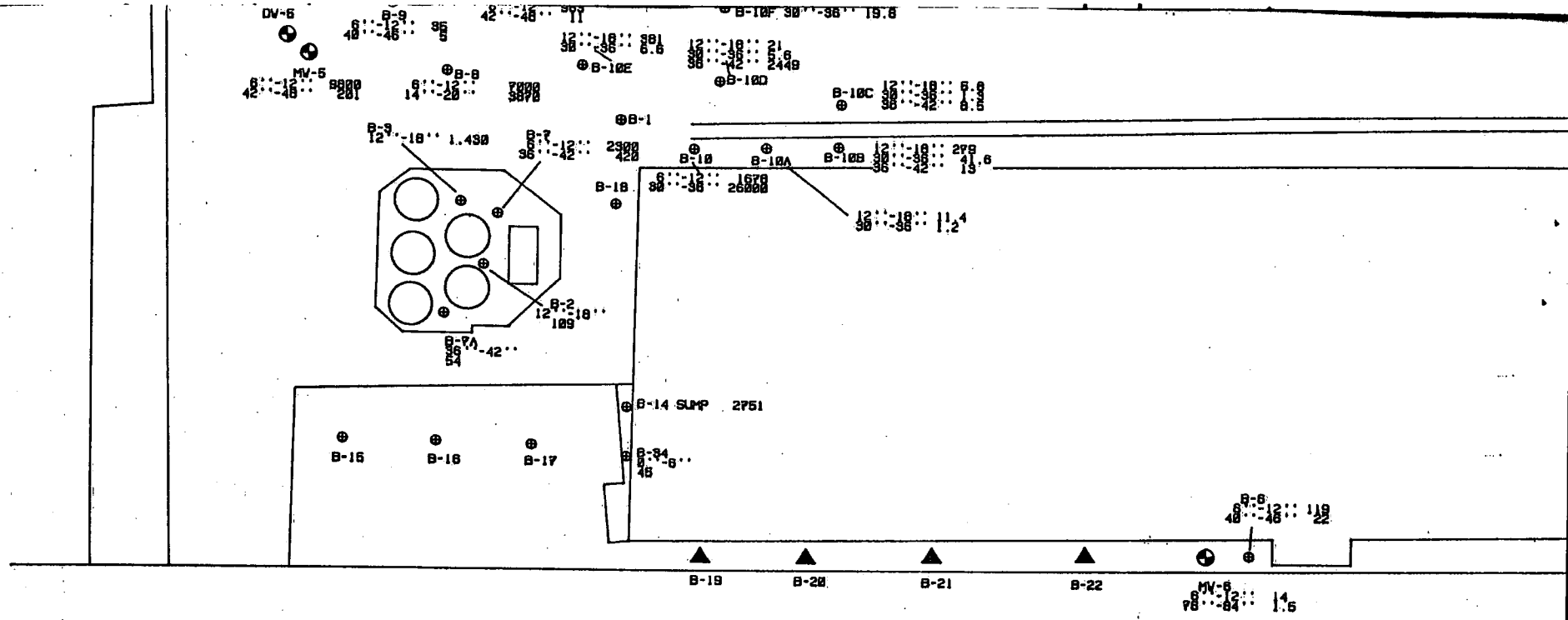
TITLE: SOIL SAMPLING LOCATIONS AND BASE NEUTRAL RESULTS

CLIENT: FRANKLIN PLASTICS

SCALE:	AS NOTED	DATE:	8-15-90
DRAWN:	AHU		
CHECKED:	CAE		
APPROVED:	SEL	DRAWING NO.	1699-101-D


PR-2
0
-6
3700
PR-1
0
-6
ND
B-33
0
-6
6
-12
46
-50
ND
44
18
MW-2R
B-29
B-28
B-30
B-27
B-26
B-25
MW-2
0
-6
6
-12
42
-48
369
5
BACKGROUND
0
-6
19
6
-12
28
42
-48
ND


HIGH TIDE LINE
PR-4
PR-3
B-31
B-32
DV-3
MV-3
B-12
DV-4
MV-4R
MV-4
B-10G
B-11



PASSAIC AVE.

N

0 25 50 100 150

SCALE IN FEET

KE

▲ RE

⊕ PR

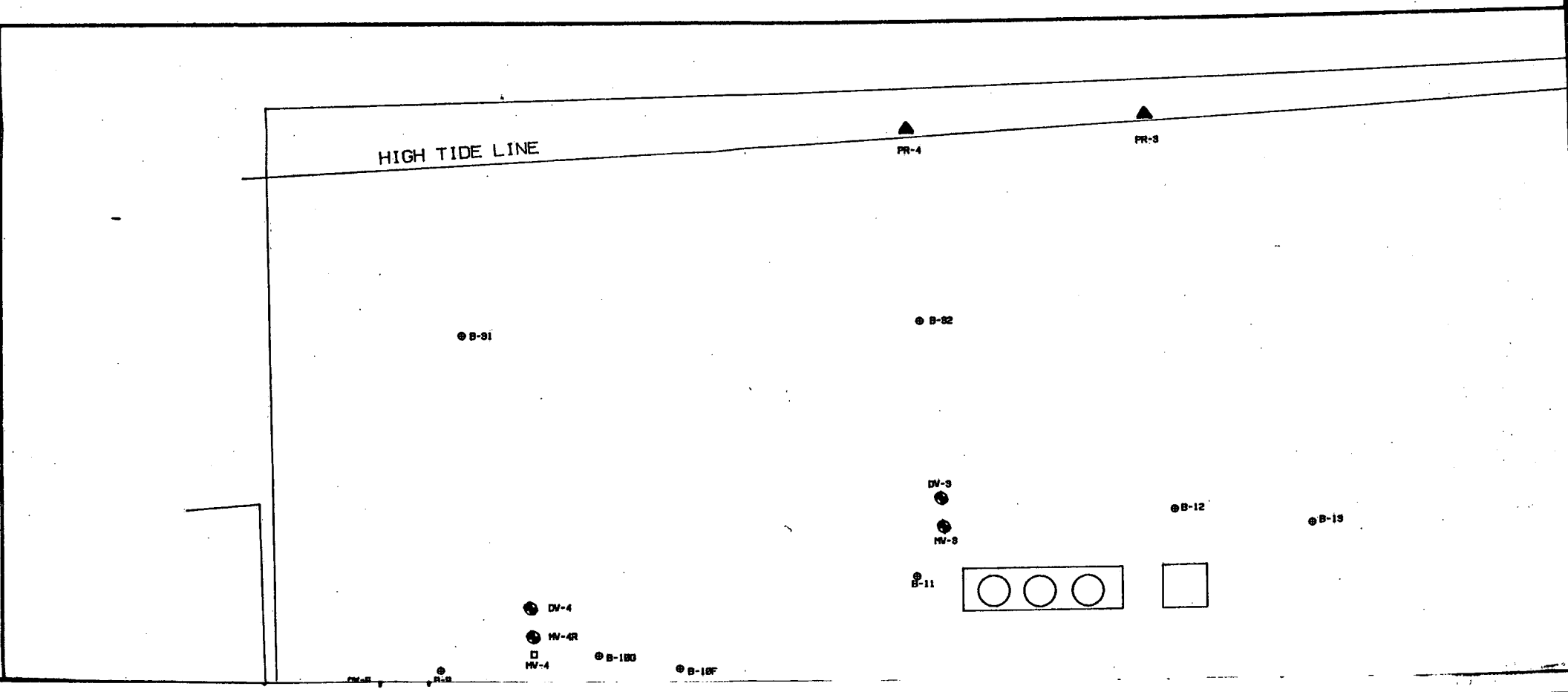
MON

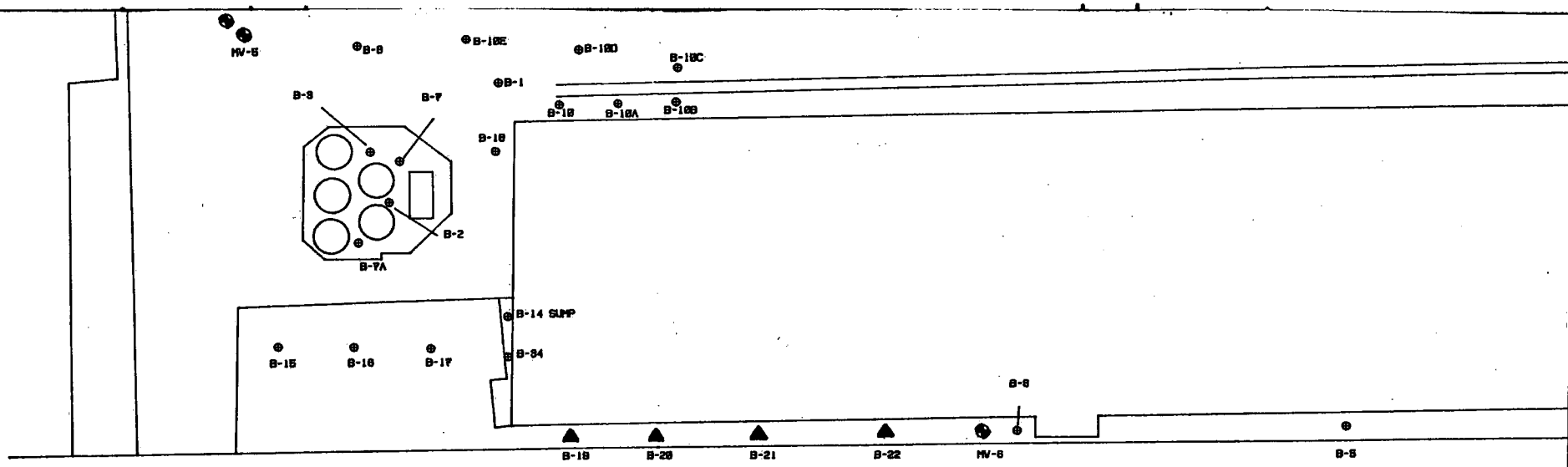
ABA

ND NON

BMDL BEL

NA NO


HIGH TIDE LINE
PR-4
PR-3
B-31
B-32
DW-3
MW-3
B-12
B-13
B-11
DW-4
MW-4R
MW-4
B-10D
B-10F



PASSAIC AVE.

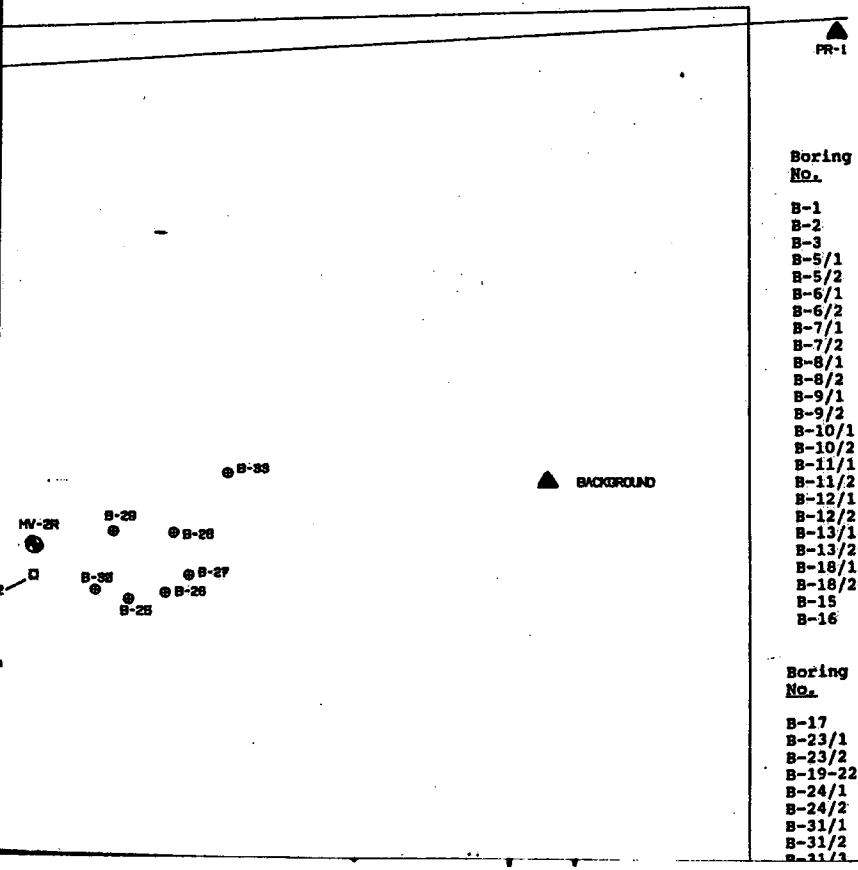
N

0 25 50 100 150

SCALE IN FEET

KEY

- ▲ RECENT SOIL SAMPLING LOC
- ● PREVIOUS SOIL BORING LOC
- ⊕ MONITORING WELL LOCATIONS
- ▫ ABANDONED WELL
- ND NONE DETECTED
- BMDL BELOW MINIMUM DETECTION L
- NA NOT ANALYZED



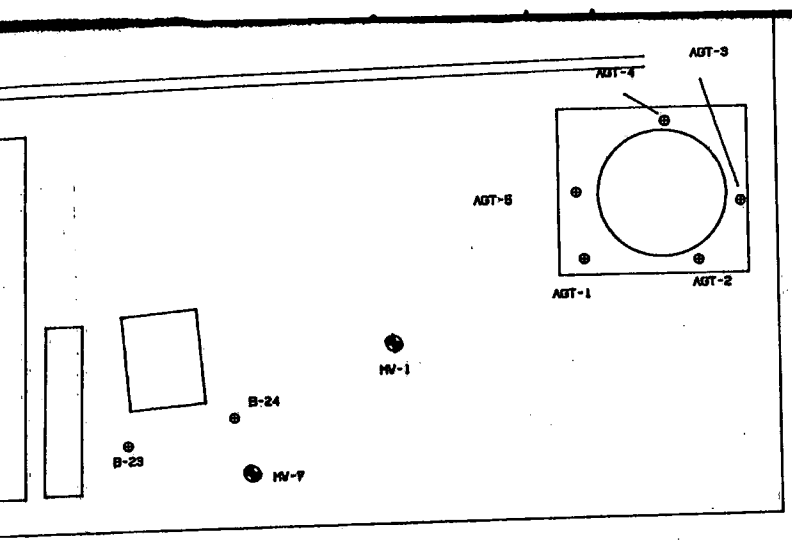
SUMMARY OF SOIL SAMPLING AND ANALYTICAL RESULTS FOR PRIORITY POLLUTANT METALS

FRANKLIN PLASTICS CORPORATION

All results in ppm.

Boring No.	RECON Sample No.	Sample Depth	Date	Analytical Parameter Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Th	Zn
B-1	6881	12-18"		<0.1	1.95	0.76	1.9	21.6	345	68	0.14	17.9	0.33	<1	0.60	60
B-2	6882	12-18"		0.27	5.0	0.54	1.7	16.5	5.75	185	0.44	17.3	0.77	<1	0.56	77.4
B-3	6883	12-18"		0.65	1.5	0.53	3.27	20.4	43.6	83.4	<0.1	16.9	0.50	1.26	<0.1	191
B-5/1	7824	6-12"	5/27/87	ND	16	ND	38.4	19.6	164	312	0.7	22.4	0.7	ND	27	589
B-5/2	7825	34-40"	5/27/87	ND	20	1.2	1.1	7.5	64.6	739	0.4	22.1	<0.2	ND	24	193
B-6/1	7878	6-12"	6/1/87	<20	2.0	<1.0	450	22	69.6	160	0.4	20	<0.2	ND	ND	ND
B-6/2	7879	40-46"	6/1/87	29	0.8	1.3	1.0	14	31.6	48	<0.1	20	ND	ND	ND	62.7
B-7/1	7793	6-12"	5/26/87	<40	<0.4	ND	1.0	<6.0	40.2	67	<0.1	8.7	<0.2	ND	ND	49.3
B-7/2	7794	36-42"	5/26/87	<40	1,300	ND	287	41.5	232	1,040	1.7	11.1	0.2	7.3	ND	3,020
B-8/1	7785	6-12"	5/26/87	<40	0.8	ND	185	53.8	123	1,740	0.1	43.5	<0.2	3.9	17	293
B-8/2	7786	14-20"	5/26/87	<40	0.7	ND	59.8	31.1	89.7	523	0.4	26.5	<0.2	3.2	11	487
B-9/1	7787	6-12"	5/26/87	<40	2.0	ND	<1.0	23.2	12.9	31	ND	<6.0	ND	ND	ND	36.8
B-9/2	7788	40-46"	5/26/87	<40	<0.4	ND	1.2	<6.0	31.8	126	0.1	17.5	<0.2	<3	ND	46.9
B-10/1	7796	6-12"	5/26/87	<40	1.4	ND	10.5	12.6	291	283	0.8	19.5	<0.2	3.2	11	290
B-10/2	7797	30-36"	5/26/87	<40	0.52	ND	1.0	ND	29.9	2,150	4.8	<6.0	0.2	ND	ND	20.0
B-11/1	7798	6-12"	5/26/87	<40	0.69	ND	8.5	12.4	60.2	288	0.3	15.0	<0.2	3.1	<10	227
B-11/2	7799	33-39"	5/26/87	<40	1.8	ND	1.4	22.9	21.7	72	0.2	26.1	ND	3.9	ND	91.7
B-12/1	7789	6-12"	5/26/87	<40	1.8	ND	5.2	20.6	53.0	159	0.4	19.8	<0.2	3.2	11	397
B-12/2	7790	26-32"	5/26/87	48	1.2	ND	563	10.3	32.1	82	<0.1	7.0	<0.2	3.2	ND	594
B-13/1	7791	6-12"	5/26/87	<40	ND	ND	1.8	7.7	340	94	ND	22.0	<0.2	ND	ND	131
B-13/2	7792	20-26"	5/26/87	<40	0.7	ND	1.1	<6.0	24.1	76	0.4	17.7	<0.2	ND	ND	127
B-18/1	7780	8-12"	5/26/87	NOT ANALYZED												
B-18/2	7801	30-36"	5/26/87	NOT ANALYZED												
B-15	8285	6-12"	7/9/87	NOT ANALYZED												
B-16	8286	6-12"	7/9/87	NOT ANALYZED												

Boring No.	RECON Sample No.	Sample Depth	Date	Analytical Parameter Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Th	Zn
B-17	8287	6-12"	7/9/87	NOT ANALYZED												
B-23/1	7802	6-12"	5/26/87	NOT ANALYZED												
B-23/2	7803	68-74"	5/26/87	NOT ANALYZED												
B-19-22	7882															
B-24/1	7804	6-12"	5/26/87	NOT ANALYZED												
B-24/2	7805	24-30"	5/26/87	NOT ANALYZED												
B-31/1	7883	0-6"	6/2/87	38	0.5	<1.0	130	65	88	360	0.6	87	<0.2	ND	ND	234
B-31/2	7884	6-12"	6/2/87	29	0.8	<1.0	250	67	84.9	265	0.3	66	<0.2	ND	ND	131
B-31/3	7885	42-47"	6/2/87	25	2.4	<1.0	18	15	81.0	225	0.6	18	0.2	ND	ND	240



Boring No.	RECON Sample No.	Sample Depth	Date	Analytical Parameter												
				Sb	As	Be	Cd	Cr	Cu	Pb	Hg	Ni	Se	Ag	Th	Zn
B-32/1	7886	0-6"	6/2/87	33	ND	<1.0	9	32	106	229	1.4	55	<0.2	ND	ND	341
B-32/2	7887	6-12"	6/2/87	34	2.0	<1.0	2	16	25.0	123	0.3	19	<0.2	ND	ND	258
B-32/3	7888	40-44"	6/2/87	34	1.1	1.7	7	26	45.6	221	0.5	26	<0.2	ND	ND	214
B-33/1	7889	0-6"	6/2/87	42	8.3	1.7	9	33	46.1	161	0.2	69	<0.2	ND	ND	126
B-33/2	7890	6-12"	6/2/87	21	1.5	1.6	510	32	20.5	44	<0.1	44	ND	ND	ND	1,180
B-33/3	7891	45-50"	6/2/87	3,350	ND	<1.0	510	148	2,070	802	0.2	31	<0.2	ND	ND	
B-34	7849	0-6"	5/29/87	NOT ANALYZED												
MW-1/1	7852	6-12"	5/27/87	ND	2.8	ND	1.4	20.9	37.6	229	0.4	13.9	<0.2	ND	ND	122
MW-1/2	7853	42-48"	5/27/87	40	15	<1.0	22.7	7.5	212	179	0.7	18.5	0.3	ND	ND	482
MW-2/1	7840	6-12"	5/27/87	ND	7.9	<2	<2	24.2	11.9	69	<0.2	15.3	0.2	3.0	34	65.9
MW-2/2	7841	42-48"	5/27/87	31	15	1.2	<1.0	15.4	11.7	69	<0.2	15.3	0.2	3.0	34	48.2
MW-3/1	7850	6-12"	5/27/87	61	6.5	ND	69.5	39.4	96.9	527	0.5	400	<0.2	ND	ND	333
MW-3/2	7851	30-36"	5/27/87	38	11	<1.0	8.4	7.1	20.9	68	<0.2	14.3	<0.2	ND	ND	32.5
MW-4/1	7874	6-12"	6/1/87	38	<0.4	<1.0	44	26	174	218	0.3	26	<0.2	ND	ND	278
MW-4/2	7875	42-48"	6/1/87	29	ND	ND	10	21	136	219	0.1	25	<0.2	ND	ND	270
MW-5/1	7876	6-12"	5/27/87	20	2.5	4.0	85	14	23.2	40	0.1	14	<0.2	ND	ND	64.3
MW-5/2	7877	42-48"	6/1/87	25	<0.4	<1.0	4	18	717	436	0.7	16	<0.2	ND	ND	302
MW-6/1	7880	6-12"	6/1/87	25	1.7	1.3	480	31	75.8	302	0.6	27	<0.2	ND	ND	454
MW-6/2	7881	76-84"	6/1/87	42	2.1	1.3	1	18	136	1,150	0.2	22	0.36	ND	ND	133
MW-7/1	7842	6-12"	5/27/87	ND	3.2	ND	1.8	19	124	239	0.4	12.5	<0.2	<3	ND	474
MW-7/2	7843	44-40"	5/27/87	ND	9.9	<2	43.7	31.0	210	146	0.5	16.2	0.2	ND	ND	1,570
PR-1	21125	0-6"	6/12/90	<1.7	NA	NA	0.58	26.7	49.2	250	NA	NA	NA	NA	NA	223
PR-2	21126	0-6"	6/12/90	16,200	NA	NA	4.75	97.3	80.6	7.1	NA	NA	NA	NA	NA	201
PR-3	21139	0-6"	6/13/90	2.9	NA	NA	8.49	54.7	53.0	382	NA	NA	NA	NA	NA	133
PR-4	21140	0-6"	6/13/90	<1.9	NA	NA	1.68	44.8	85.6	143	NA	NA	NA	NA	NA	240
BGD	21141	0-6"	6/13/90	1.8	NA	NA	0.47	16.4	40.7	82.2	NA	NA	NA	NA	NA	171
BGD	21142	6-12"	6/13/90	ND	NA	NA	2.2	18.3	33.7	82.9	NA	NA	NA	NA	NA	129
BGD	21143	42-48"	6/13/90	ND	NA	NA	0.54	16.0	101	120	NA	NA	NA	NA	NA	310

ION

IONS AND PP METALS ANALYSIS (ppm)

IT

ECRA ACTION LEVELS

Sb	=	Antimony	2
As	=	Arsenic	20
Be	=	Beryllium	1
Cd	=	Cadmium	3
Cr	=	Chromium	100
Cu	=	Copper	170
Pb	=	Lead	100
Hg	=	Mercury	1
Ni	=	Nickel	100
Se	=	Selenium	4
Ag	=	Silver	5
Th	=	Thallium	5
Zn	=	Zinc	350

FIGURE 3

RECON SYSTEMS, INC.
ROUTE 202 NORTH, THREE BRIDGES, NJ 08887

TITLE: SOIL SAMPLING LOCATIONS AND PRIORITY POLLUTANT METALS RESULTS

CLIENT: FRANKLIN PLASTICS

SCALE: AS NOTED
DRAWN: AHU
CHECKED:
APPROVED:

DATE: 8-9-90

DRAWING NO. 1699-102-D

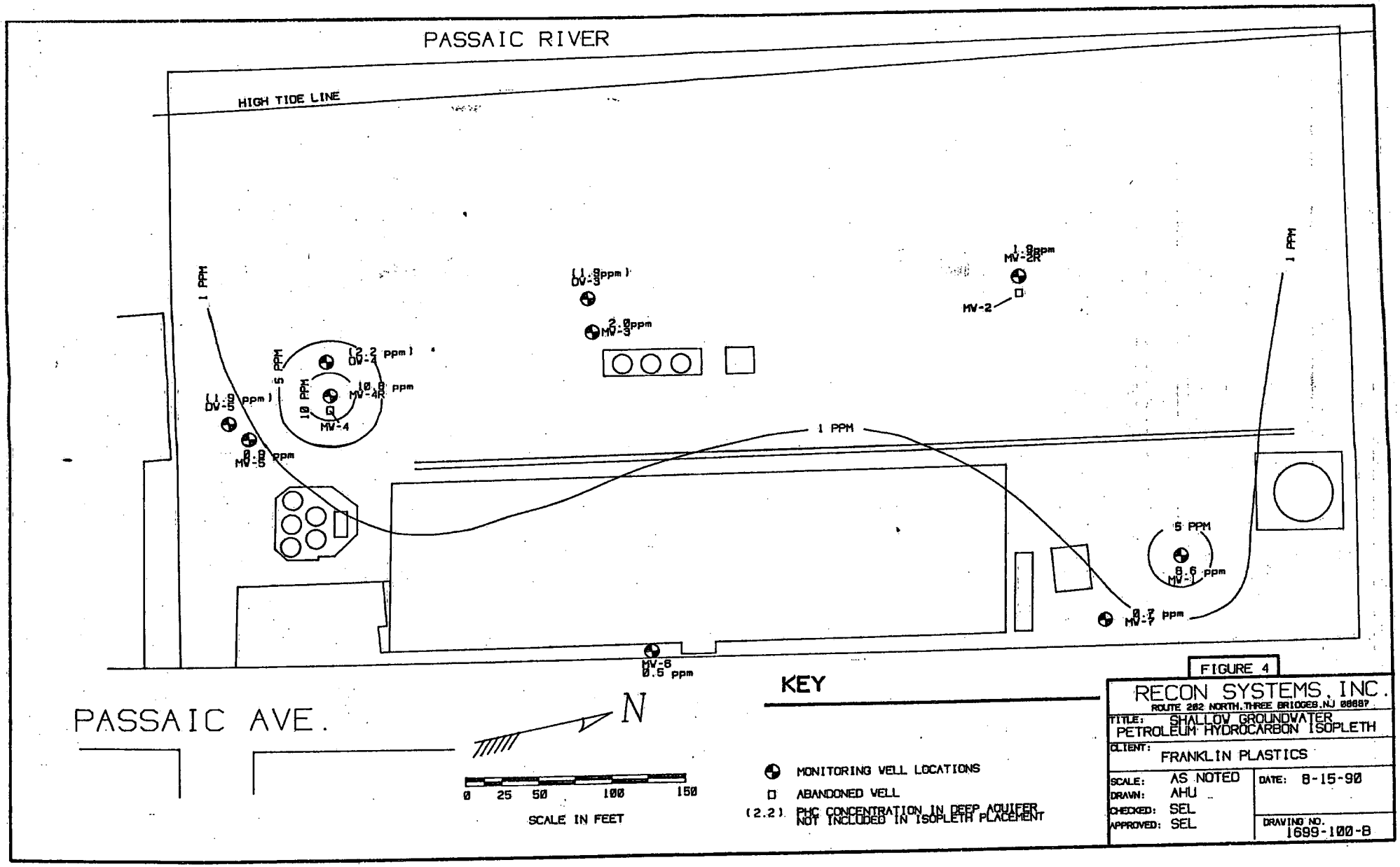


FIGURE 4

RECON SYSTEMS, INC.
ROUTE 202 NORTH, THREE BRIDGES, NJ 08887

TITLE: SHALLOW GROUNDWATER PETROLEUM HYDROCARBON ISOPLETH

CLIENT: FRANKLIN PLASTICS

SCALE: AS NOTED
DRAWN: AHU
CHECKED: SEL
APPROVED: SEL

DATE: 8-15-90

DRAWING NO. 1699-100-8

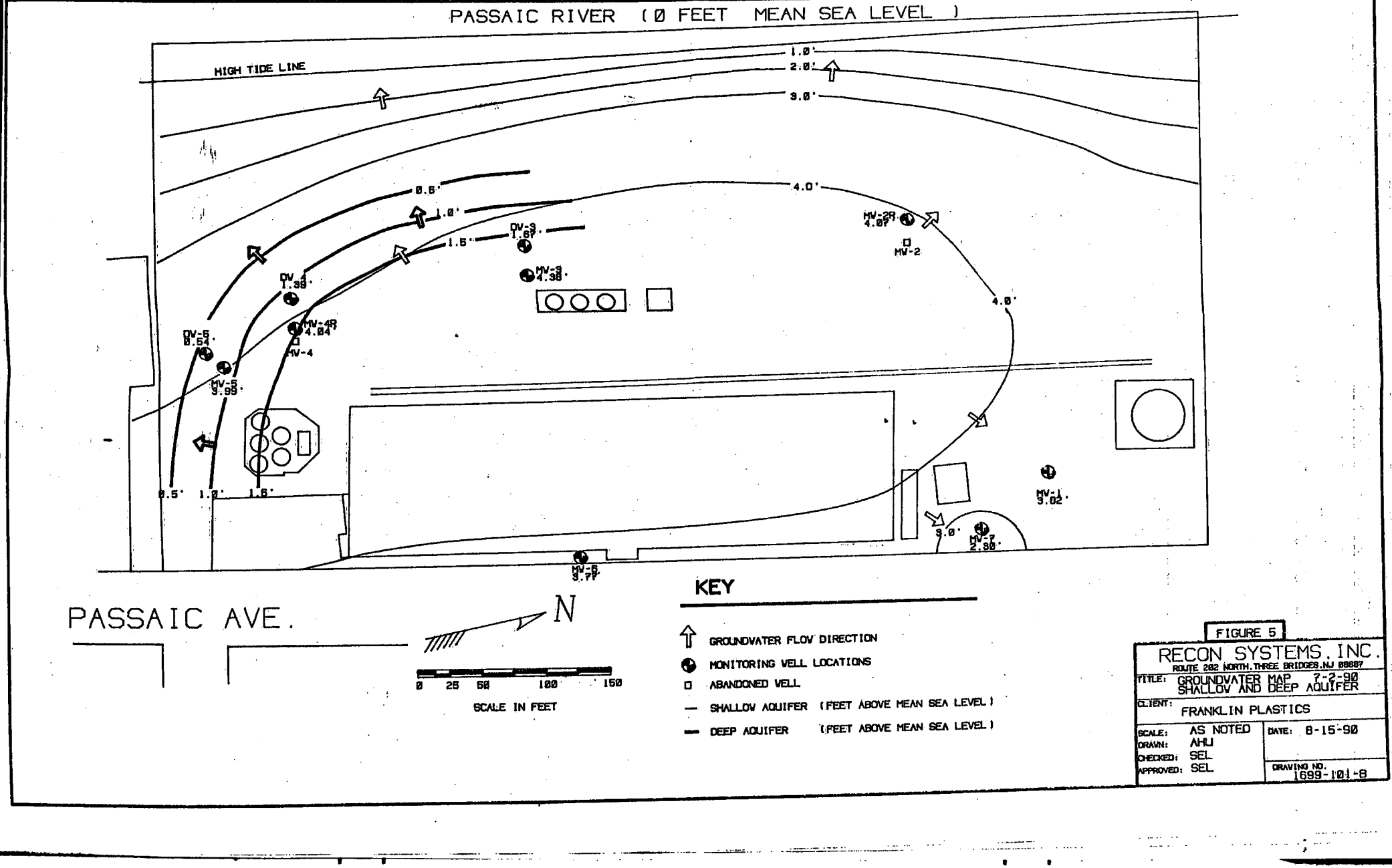


FIGURE 5

RECON SYSTEMS, INC.
ROUTE 202 NORTH, THREE BRIDGES, NJ 08887

TITLE: GROUNDWATER MAP 7-2-90
SHALLOW AND DEEP AQUIFER

CLIENT: FRANKLIN PLASTICS

SCALE: AS NOTED
DRAWN: AHJ
CHECKED: SEL
APPROVED: SEL

DATE: 8-15-90

DRAWING NO. 1699-101-8

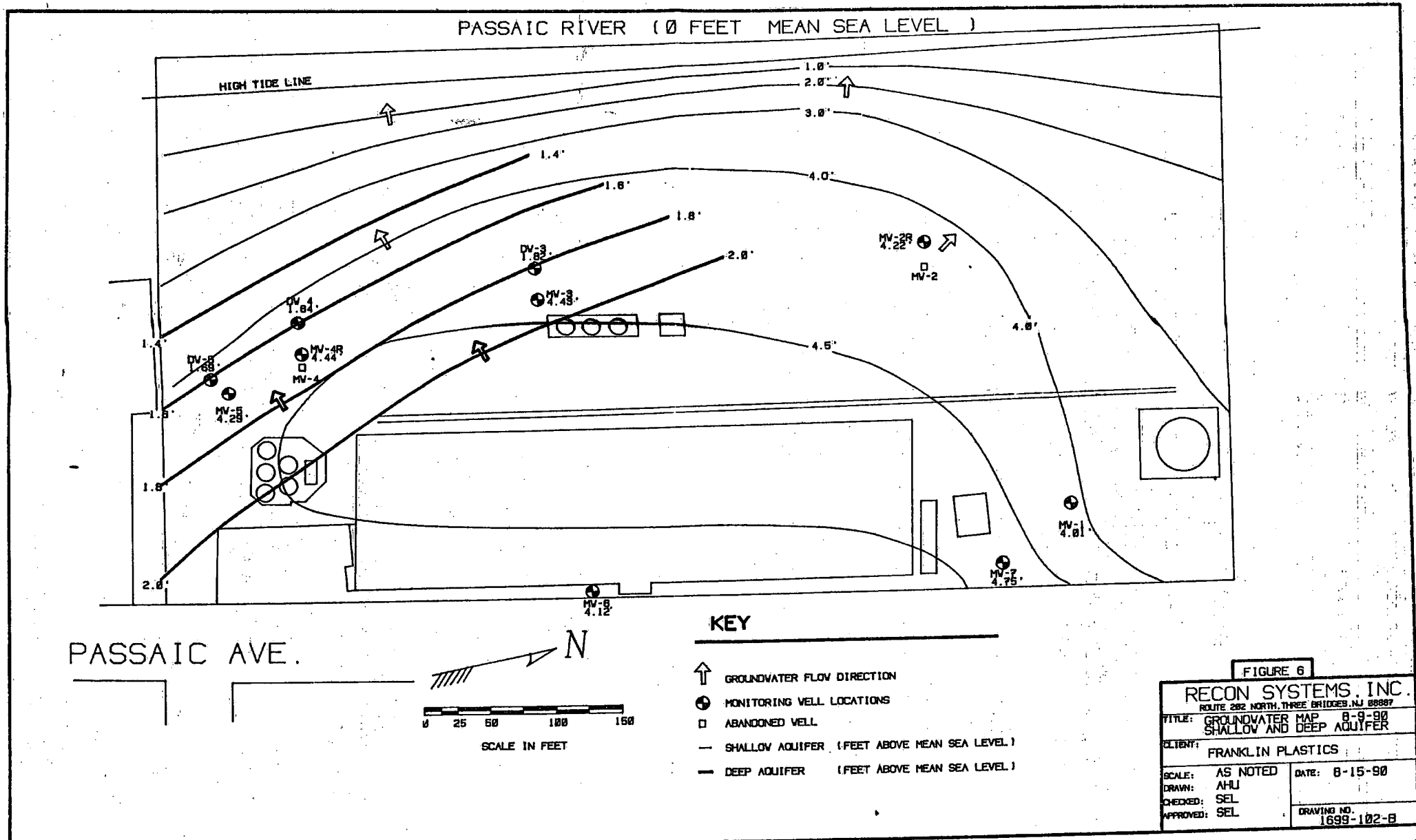


FIGURE 6

RECON SYSTEMS, INC.
ROUTE 202 NORTH, THREE BRIDGES, NJ 08887

TITLE: GROUNDWATER MAP 8-9-90
SHALLOW AND DEEP AQUIFER

CLIENT: FRANKLIN PLASTICS

SCALE: AS NOTED
DRAWN: AHJ
CHECKED: SEL
APPROVED: SEL

DATE: 8-15-90

DRAWING NO. 1699-102-8

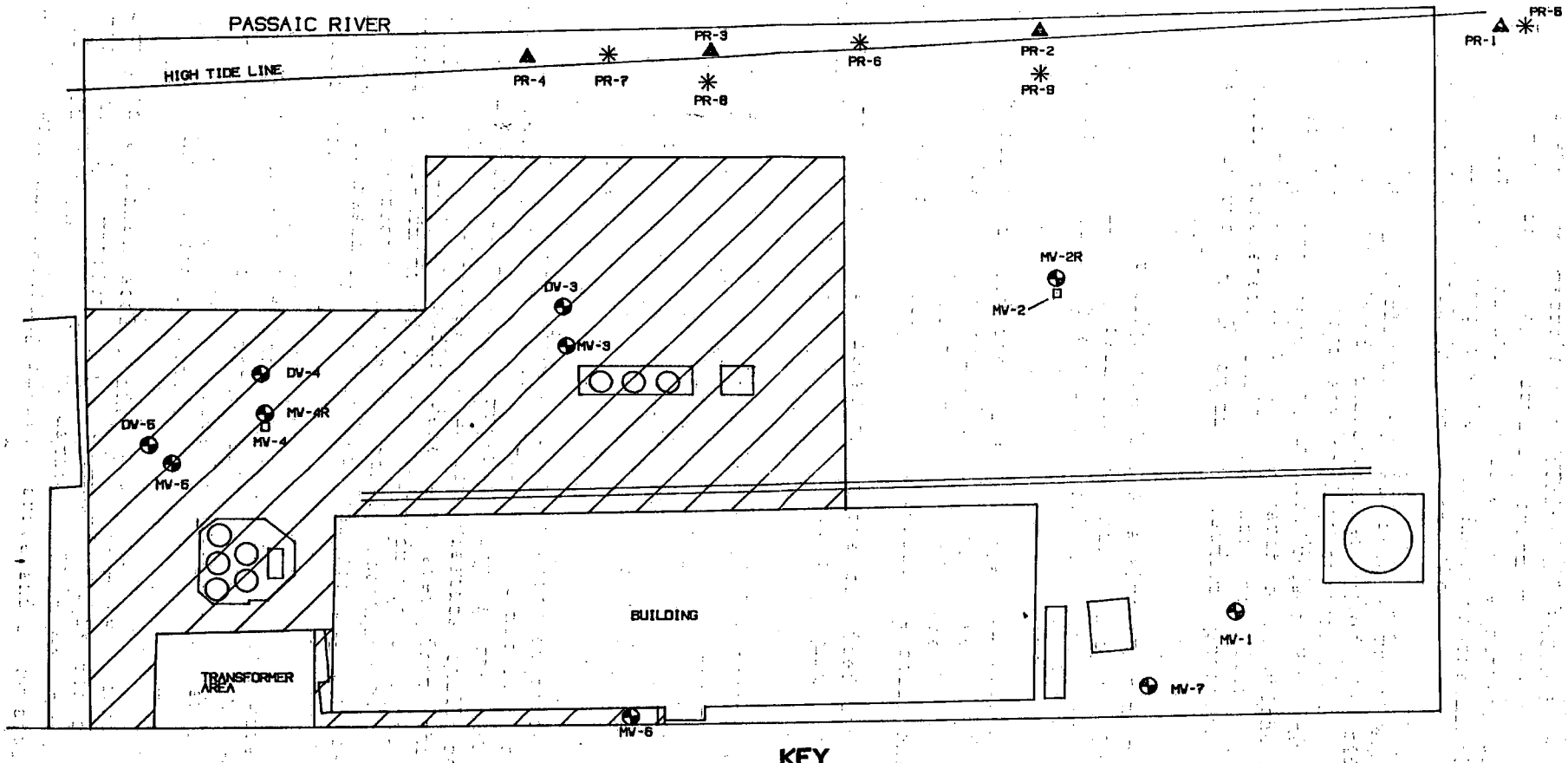


FIGURE 7

RECON SYSTEMS, INC.
ROUTE 202 NORTH, THREE BRIDGES, NJ 08887

TITLE: AREAS OF ENCAPSULATION AND ADDITIONAL SOIL SAMPLING

CLIENT: FRANKLIN PLASTICS

SCALE: AS NOTED
DRAWN: AHU
CHECKED: SEL
APPROVED: SEL

DATE: 8-15-90

DRAWING NO. 1699-103-8

APPENDIX I

NJ DEP Letter Dated April 4, 1990

Let's protect our earth

State of New Jersey
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF HAZARDOUS WASTE MANAGEMENT
CN 028
Trenton, N.J. 08625-0028
(609) 633-7141
Fax # (609) 633-1454

CERTIFIED MAIL
RETURN RECEIPT REQUESTED
Robert M. Becker, Esq.
Sills, Cummis, Zuckerman, et. al.
33 Washington Street.
Newark, NJ 07102-3179

Dear Mr. Becker:

Re: Franklin Plastics Corp.
Kearny Town, Hudson County
ECRA Case #86026
Sampling Plan Dated: October 23, 1989

The Department has reviewed Recon System's letter of October 23, 1989 in conjunction with the analytical data submitted on October 2, 1987. Recon's proposal was submitted to the Department in response to the Department's August 18, 1989 letter which required a soils and ground water Sampling Plan to further characterize the site. Recon's letter shall constitute a Sampling Plan and the Department's review comments of this plan and the October 2, 1987 data are incorporated into this Sampling Plan approval.

The information contained in Recon Systems' letter of June 15, 1988 was requested by the Department in a letter dated May 11, 1988. Any questions regarding this should reference specific issues.

Pursuant to the authority vested in the Commissioner of the New Jersey Department of Environmental Protection (NJDEP) by the Environmental Cleanup Responsibility Act (ECRA, N.J.S.A. 13:1K-6 et seq.) and delegated to the Chief of the Bureau of Environmental Evaluation and Cleanup Responsibility Assessment pursuant to N.J.S.A. 13:1B-4, the referenced Sampling Plan is hereby approved as conditioned herein:

I. SOILS

1. The soil samples requested in the Department's August 18, 1989 letter shall be relocated. Five soil sample points shall be located along the shoreline of the Passaic River at the mean high tide level. The approximate locations are shown on the attached map. The purpose of these samples is to document any surface migration of contamination from this site to the Passaic River. Two of the samples shall be taken offsite, one upstream and one downstream of the property to serve as

background samples. Samples shall be taken at the 0-6 inch interval and analyzed for petroleum hydrocarbons (PHC), base neutral compounds +15 (BN+15) antimony, cadmium, chromium, copper, lead, zinc, and particle size distribution profile. One surface water sample shall also be collected from the Passaic River at the middle sample location and analyzed for Total Organic Carbon (TOC).

2. One soil boring shall be placed at the north east corner of the property for background characterization of the fill. This boring shall be sited away from any production areas. Soil samples shall be collected at three depths 0-6 inches, 6-12 inches and 42-48 inches (or at the 6 inch interval above the water table whichever is shallower). Analytical parameters shall include petroleum hydrocarbons, base neutral compounds + 15, antimony, cadmium, chromium, copper, lead and zinc at each interval.

3. The proposal to modify the soils analysis from priority pollutant metals to antimony, cadmium, chromium, copper, lead and zinc is acceptable and is reflected in soil analytical requirements in this letter.

4. The proposal to modify the soils analysis from base neutral compounds + 15 to phthalates and polycyclic aromatic hydrocarbons (PAH) is not acceptable. Other base neutral compounds were found in the soils, and BN+15 is needed to accurately characterize the soils onsite.

5. A site map showing the location of the oil feed line from the 50,000 gallon above ground fuel oil tank shall be submitted with the next data submission.

6. 50,000 Gallon Aboveground Fuel Oil Tank. The proposal to collect soil samples at 0-6 inches below the crushed stone fill along the four sides of the concrete pad is acceptable. The Remedial Investigation Guide should be consulted to determine sample frequency. All samples shall be analyzed for petroleum hydrocarbons, and 25 percent of the samples shall also be analyzed for BN+15.

7. Expansion Chamber (AEC #6). From the reports submitted it appears that samples B-19, B-20, B-21 and B-22 were composited and analyzed for petroleum hydrocarbons. Composite samples are not acceptable for post-excavation sampling. Franklin Plastics shall confirm that the visibly contaminated soils were excavated from this area as was proposed in amendment VI in the "Admendments to Sampling and Analysis Plan" dated February 12, 1987. Sample locations B-19, B-20, B-21, and B-22 shall be resampled as discrete samples and analyzed for petroleum hydrocarbons.

8. The summary sheets for Phase I soils and ground water sampling were incomplete. In future reports, all results including non-detects (ND) shall be included. All tables shall specify analytical reporting units, and include sample depths.

9. A complete detailed scaled site map shall be included with the next submission. Information to be included on this map shall be all areas of concern showing their boundaries, all past and present sampling locations with all sampling results (above and below action levels.)

II. GROUND WATER

1. The Department is requiring the installation of three deep monitoring wells at the locations of MW-3, MW-4 and MW-5 to determine any impacts of Dense Non Aqueous Phase Liquids (DNAPLS) to the deeper aquifer. The levels of contamination found in the soils raise the possibility of deeper aquifer contamination as a serious concern. A single monitoring well at the location of MW-4 will be inconclusive in determining impacts to the deeper aquifer.

2. Once the deep wells are installed, all wells on site shall be sampled for petroleum hydrocarbons, volatile organics + 15 (method 624) base neutrals + 15 (method 625), priority pollutant metals, total dissolved solids and pH. This second round of sampling is required for the shallow wells to confirm the levels of contaminants found in the first round of samples.

3. A ground water contour map for each water bearing unit shall be constructed from data collected at the time of sampling and shall be submitted to the Department with the next round of data.

III. GENERAL REQUIREMENTS

A. Franklin Plastics Corp. shall accomplish this investigation and any further analytical investigations by the methods outlined in this Sampling Plan. If any change in methods outlined in this sampling plan is necessary or if any delays are encountered, Franklin Plastics Corp. shall inform BEECRA in writing prior to implementation.

B. Franklin Plastics Corp. shall submit summarized analytical results in tabular form. Franklin Plastics Corp. shall also submit with the analytical data all documents associated with the sampling and testing including but not limited to lab sheets, chain of custody, results of blank analyses, lab chronicles, summary of analytical instrument tuning, and analytical methods used.

C. Franklin Plastics Corp. shall submit the results in triplicate within 90 days of receipt of this approval.

D. Franklin Plastics Corp. shall notify NJDEP at least five business days prior to implementation of sampling.

E. If contamination is determined to exist above a level found acceptable by NJDEP, Franklin Plastics Corp. shall prepare and submit a Cleanup Plan developed pursuant to N.J.A.C. 7:26B-5.3 to address said contamination. If the data from implementation of the approved Sampling Plan indicates the presence of contamination, but is not sufficient to define the full horizontal and vertical extent, then such areal definition shall be proposed as a Sampling Plan Addendum in a form which meets the criteria of N.J.A.C. 7:26B-3.2(c)11. The horizontal and vertical extent of contamination shall be determined before an approvable Cleanup Plan can be developed.

IV. ECRA Standards for Data Requirements, Presentation and Proposals

A. Data Requirements

The following information shall be included with the results of sampling.

1. Logs for all soil borings and wells.

2. Soil profile logs for all excavations.

3. Monitoring Well Certification Forms: Form A (As-Built Certification) and Form B (Location Certification) shall be completed for each monitoring well installed. Form A shall be submitted with the results of sampling. Because additional wells are sometimes required to complete a hydrogeologic investigation, Form B may be submitted after completion of the installation of all required ground water monitoring wells, unless required prior to that time by the Department. As built diagrams of all wells shall be included with Form A.

4. A scaled site map of all well and soil boring locations.

5. A minimum of two ground water contour maps including depth to ground water and reference point elevation, with depth to water readings taken at least 30 days apart. If applicable, depth to water readings taken prior to purging shall be used for contouring purposes. Any corrections made to the static water level due to the presence of free product must be reported, along with the thickness of the product layer.

6. Ground water samples shall be collected a minimum of two weeks following development of the wells.

7. At a minimum, the following purge information shall be provided along with the analytical results: date and time of purge, depth to water before purging, purge method, estimated volume of purged water, depth to water after purging, date and time of sampling, depth to water before sampling, and sampling method.

8. Provide in a tabular format the results of sampling. Include the sample number, location, interval and depth of sample, sample matrix, and the analytical methods used. The enclosed summary format sheets are provided as guidance for summarizing data.

9. A site map which lists the concentrations of all significant contamination found (above ECRA action levels) at all sampling locations. The labelling of data should be keyed to facilitate interpretation, especially at locations where more than one type of contaminant is found. The use of contaminant isopleth maps is also encouraged.

B. Data/Results Presentation

1. Because of case management workloads and volumes of data to be reviewed and processed, the above noted formatting requirements are essential to insure complete and timely review of the submittal.

2. Tier II deliverables should be identified and separated from the submittals, discussion, conclusions and data summary sheets. The enclosed Laboratory Deliverables checklist should be completed and returned with the Tier II deliverables.

3. All submittals of text/data shall be forwarded in triplicate and shall be properly paginated, bear a table of contents and be bound (1 copy may be unbound for filing purposes).

4. Failure to organize submittal information as outlined above can constitute reason to return the submittal to the consultant for correction and resubmission, thus causing further delay in case processing.

5. Failure to address these conditions and provide documentation where required shall constitute non-compliance with ECRA, no final approvals or case closure will occur until these issues are resolved.

C. The Cleanup Plan Proposal

During the course of the implementation of the sampling and the generation and evaluation of data, the consultant will be considering the development of a Cleanup Plan. To insure a complete and timely review of the submittal, the Cleanup Plan should be a stand alone, self-supporting document. As a guide to this process, the following elements should be included in the formation of the plan.

1. Introduction

2. Table of Contents

3. Summary of Environmental Concerns. Include the results of previous sampling.

4. The proposed remedial actions. Include the evaluation of any alternative remedial actions if appropriate.

5. Cleanup levels to be achieved. Be specific with regard to media and parameters.

6. A Work Plan must detail the specific activities that will be used to complete the proposed cleanup objectives.

7. A post-remediation sampling and monitoring plan.

8. A specific time table for implementation of the Cleanup Plan which includes milestones in the project.

9. Progress reports, dependant on the duration of the cleanup.

10. Estimate costs for cleanup:

    a. capital costs;
    b. operation and maintenance costs;
    c. monitoring system costs;

d. laboratory costs;
e. engineering, legal, and administrative costs; and
f. contingency costs.

D. Please be advised that, according to N.J.A.C. 7:26B-4.3, sampling results shall be accompanied by:

a. a proposed Negative Declaration; or
b. a proposed Cleanup Plan; or
c. a revised Sampling Plan to further delineate the extent and degree of contamination on or from the industrial establishment.

Failure to submit the appropriate accompanying document as described above will constitute reason to return the submittal to the consultant for correction and resubmission, thus causing further delay in case processing.

E. Please be advised that the results of sampling shall be accompanied by the appropriate fee as required by N.J.A.C. 7:26B-1.10. The enclosed Fee Submittal Form is provided for guidance to determine the fees required; this form should be completed and returned with the submittal package.

A Cleanup Plan shall be accompanied by a fee based on the cost of cleanup.

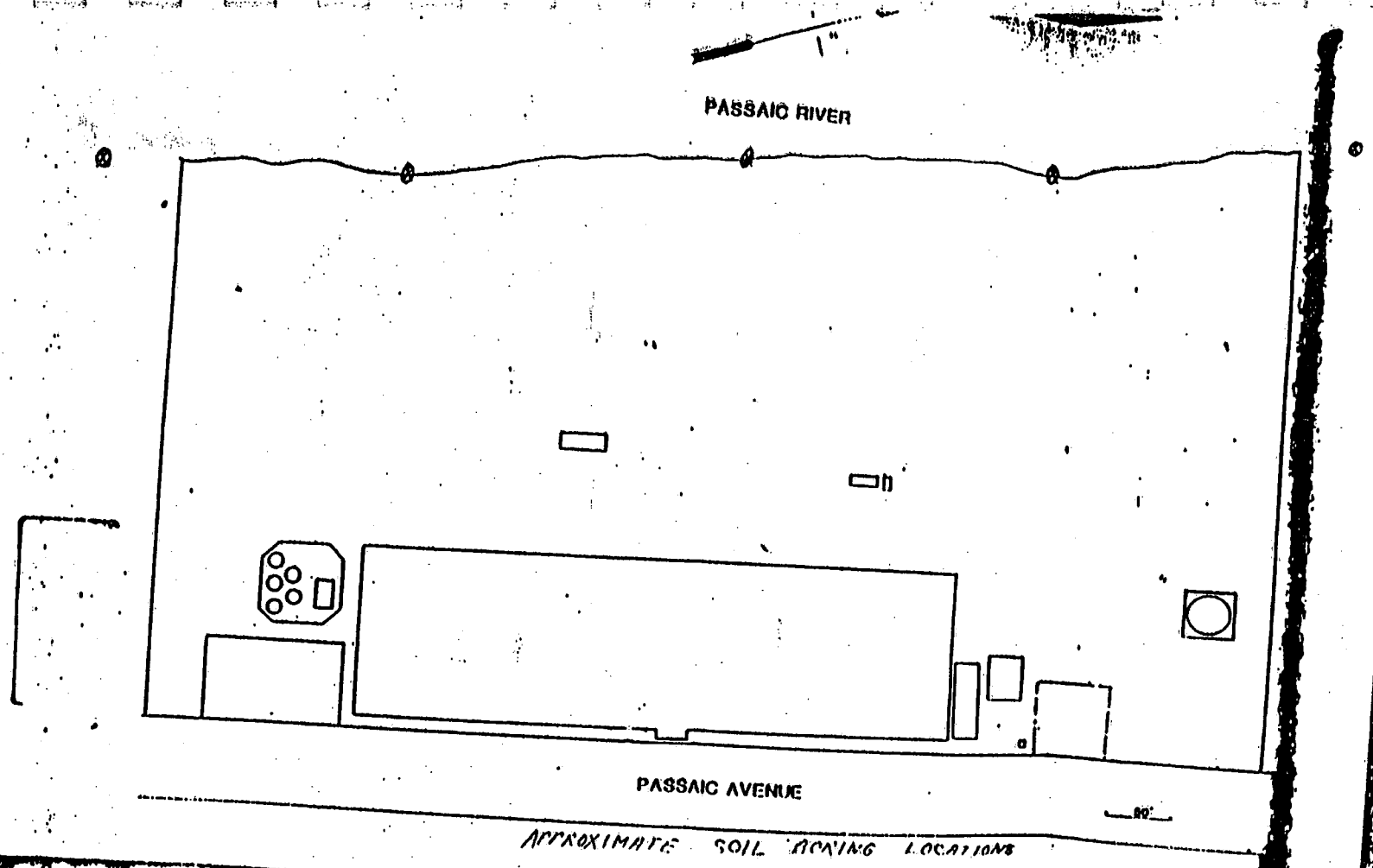
Submission of analytical data shall be assessed a $1,000.00 review fee.

This document was prepared by the Case Manager, Andrew Dillman. If you have any questions, please contact the Case Manager at (609) 633-7141.

Very truly yours,

Kenneth T. Hart, Chief
Bureau of Environmental Evaluation
and Cleanup Responsibility Assessment

AWD/sr
c: Jeff Fehr, NJDEP/BGWDC
Bill Moody, Recon Systems, Inc.
Joseph Ronzo, Franklin Plastics
Edward Grovenor, Kearny Board of Health



APPROXIMATE SOIL BORING LOCATIONS

APPENDIX II

Forms A and B, Monitoring Well Record Forms, Lithologic Well Construction Logs, Well Permits, Purge Forms and Well Abandonment Forms

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

(One form must be completed for each well)

Name of Permittee: FRANKLIN PLASTICS CORPORATION
Name of Facility: FRANKLIN PLASTICS CORPORATION
Location: 113 Passaic Ave. Kearny, NJ 07032
NJPDES Permit No: NJ

CERTIFICATION

Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation This number must be permanently affixed to the well casing.	26 - 20675 - 7
Owner's Well Number (as shown on the application or plans):	MW-2R
Well Completion Date:	6/13/90
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	2.5' ag
Total Depth of Well to the nearest 1/2 foot:	7.5'
Depth to Top of Screen From Top of Casing (or depth to open hole) to the nearest 1/2 foot:	5'
Screen Length (or length of open hole) in feet:	5'
Screen or Slot Size:	0.020
Screen or Slot Material:	PVC
Casing Material (PVC, Steel or Other-Specify):	PVC
Casing Diameter (inches):	4"
Static Water Level From Top of Casing at The Time of Installation (one-hundredth of a foot):	3.35'
Yield (gallons per minute):	0.08 gpm
Development Technique (specify):	Centrifugal Pump
Length of Time Well is Developed/Pumped or Bailed:	1 Hours Minutes
Lithologic Log:	ATTACH ON BACK

AUTHENTICATION:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitted false information including the possibility of fine or imprisonment.

Stephen E. Laney
Name (type or print)

Stephen Laney
Signature

1380
Certification or License No.

SEAL

Certification by Executuve Officer or Duly Authorized Representative

Name (type or print)

Signature

Title

Date

FORMA10.24.89

MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

(One form must be completed for each well)

Name of Permittee: FRANKLIN PLASTICS CORP.
Name of Facility: FRANKLIN PLASTICS CORP.
Location: 113 Passaic Ave. Kearny, NJ 07032
NJPDES Permit No: NJ

CERTIFICATION

Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation This number must be permanently affixed to the well casing.	2 6 - 2 0 7 5 5 - 9
Owner's Well Number (as shown on the application or plans):	MW-4R
Well Completion Date:	6/13/90
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	0.3' bg
Total Depth of Well to the nearest 1/2 foot:	7.5'
Depth to Top of Screen From Top of Casing (or depth to open hole) to the nearest 1/2 foot:	2.2'
Screen Length (or length of open hole) in feet:	5'
Screen or Slot Size:	0.020
Screen or Slot Material:	PVC
Casing Material (PVC, Steel or Other-Specify):	PVC
Casing Diameter (inches):	4"
Static Water Level From Top of Casing at The Time of Installation (one-hundredth of a foot):	6'
Yield (gallons per minute):	0.5 gpm
Development Technique (specify):	Centrifugal Pump
Length of Time Well is Developed/Pumped or Bailed:	1 Hours Minutes
Lithologic Log:	ATTACH ON BACK

AUTHENTICATION:

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MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

(One form must be completed for each well)

Name of Permittee: FRANKLIN PLASTICS CORPORATION
Name of Facility: FRANKLIN PLASTICS CORPORATION
Location: 113 Passaic Avenue Kearny, NJ 07032
NJPDES Permit No: NJ

CERTIFICATION

Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation This number must be permanently affixed to the well casing.	2 6 - 2 0 7 2 5 - 7
Owner's Well Number (as shown on the application or plans):	DW-3
Well Completion Date:	6/14/90
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	0.3' bg
Total Depth of Well to the nearest 1/2 foot:	21'
Depth to Top of Screen From Top of Casing (or depth to open hole) to the nearest 1/2 foot	15.7'
Screen Length (or length of open hole) in feet:	5'
Screen or Slot Size:	0.020
Screen or Slot Material:	PVC
Casing Material (PVC, Steel or Other-Specify):	PVC
Casing Diameter (inches):	2"
Static Water Level From Top of Casing at The Time of Installation (one-hundredth of a foot):	5'
Yield (gallons per minute):	5 gpm
Development Technique (specify):	Centrifugal Pump
Length of Time Well is Developed/Pumped or Bailed:	1 Hours Minutes
Lithologic Log:	ATTACH ON BACK

AUTHENTICATION:

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MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

(One form must be completed for each well)

Name of Permittee: FRANKLIN PLASTICS CORPORATION
Name of Facility: FRANKLIN PLASTICS CORPORATION
Location: 113 Passaic Ave., Kearny, N.J. 07032
NJPDES Permit No: NJ

CERTIFICATION

Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation This number must be permanently affixed to the well casing.	26 - 20726 - 5
Owner's Well Number (as shown on the application or plans):	DW-4
Well Completion Date:	6/14/90
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	0.3' bg
Total Depth of Well to the nearest 1/2 foot:	21'
Depth to Top of Screen From Top of Casing (or depth to open hole) to the nearest 1/2 foot:	15.7'
Screen Length (or length of open hole) in feet:	5'
Screen or Slot Size:	0.020
Screen or Slot Material:	PVC
Casing Material (PVC, Steel or Other-Specify):	PVC
Casing Diameter (inches):	2"
Static Water Level From Top of Casing at The Time of Installation (one-hundredth of a foot):	6'
Yield (gallons per minute):	0.05 gpm
Development Technique (specify):	Centrifugal Pump
Length of Time Well is Developed/Pumped or Bailed:	1 Hours Minutes
Lithologic Log:	ATTACH ON BACK

AUTHENTICATION:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitted false information including the possibility of fine or imprisonment.

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MONITORING WELL CERTIFICATION - FORM A - AS-BUILT CERTIFICATION

(One form must be completed for each well)

Name of Permittee: FRANKLIN PLASTICS CORPORATION
Name of Facility: FRANKLIN PLASTICS CORPORATION
Location: 113 Passaic Avenue, Kearny, N.J. 07032
NJPDES Permit No: NJ

CERTIFICATION

Well Permit Number (as assigned by NJDEP's Bureau of Water Allocation This number must be permanently affixed to the well casing.	26 - 20727 - 3
Owner's Well Number (as shown on the application or plans):	DW-5
Well Completion Date:	6/14/90
Distance from Top of Casing (cap off) to ground surface (one-hundredth of a foot):	0.3'
Total Depth of Well to the nearest 1/2 foot:	21'
Depth to Top of Screen From Top of Casing (or depth to open hole) to the nearest 1/2 foot:	15.7'
Screen Length (or length of open hole) in feet:	5'
Screen or Slot Size:	0.020
Screen or Slot Material:	PVC
Casing Material (PVC, Steel or Other-Specify):	PVC
Casing Diameter (inches):	2"
Static Water Level From Top of Casing at The Time of Installation (one-hundredth of a foot):	7.4'
Yield (gallons per minute):	5 gpm
Development Technique (specify):	Centrifugal Pump
Length of Time Well is Developed/Pumped or Bailed:	1 Hours Minutes
Lithologic Log:	ATTACH ON BACK

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Stephen Laney
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Title

Date

FORMA10.24.89

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: FRANKLIN PLASTIC'S CORPORATION
Name of Facility: FRANKLIN PLASTIC'S
Location: 113 PASSAIC AVE.
KEARNY N.J.
NJDES Number: NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water Allocation Section, 609-984-6831): 2 6 - 1 0 7 9 1 - 2
This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): West 74°-09'-42.9"
Latitude (one-tenth of second): North 40°-45'-29.5"
Elevation of Top of Casing (cap off) (one-hundredth of a foot): 8.15'
Owners Well Number (As shown on the application or plans): M.W.-1

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

NICHOLAS LEBO
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

SEAL

21764
PROFESSIONAL LAND SURVEYOR'S LICENSE #

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: FRANKLIN PLASTIC'S CORPORATION
Name of Facility: FRANKLIN PLASTIC'S
Location: 113 PASSAIC AVE.
KEARNY N.J.
NJDES Number: NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water Allocation Section, 609-984-6831): 2 6 - 1 0 7 9 1 - 1
This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): West 74°-09'-46.0"
Latitude (one-tenth of second): North 40°-45'-29.2"
Elevation of Top of Casing (cap off) (one-hundredth of a foot): 8.13'
Owners Well Number (As shown on the application or plans): M.W.-2

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Nicholas Lebo
PROFESSIONAL LAND SURVEYOR'S SIGNATURE

NICHOLAS LEBO SEAL
PROFESSIONAL LAND SURVEYOR'S NAME
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THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: FRANKLIN PLASTIC'S CORPORATION
Name of Facility: FRANKLIN PLASTIC'S
Location: 113 PASSAIC AVE.
KEARNY N.J.
NJDES Number: NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water Allocation Section, 609-984-6831): 2 6 - 1 0 7 9 2 - 9
This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): West 74°-09'-46.7"
Latitude (one-tenth of second): North 40°-45'-26.2"
Elevation of Top of Casing (cap off) (one-hundredth of a foot): 8.68'
Owners Well Number (As shown on the application or plans): M.W.-3

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

NICHOLAS LEBO
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

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THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: FRANKLIN PLASTIC'S CORPORATION
Name of Facility: FRANKLIN PLASTIC'S
Location: 113 PASSAIC AVE.
KEARNY, N.J.
NJDES Number: NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water Allocation Section, 609-984-6831): 2 6 - 1 0 7 9 3 - 7
This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): West 74°-09'-46.7"
Latitude (one-tenth of second): North 40°-45'-46.7"
Elevation of Top of Casing (cap off) (one-hundredth of a foot): 7.16'
Owners Well Number (As shown on the application or plans): M.W.-4

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

SEAL

NICHOLAS LEBO
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

21764
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THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: FRANKLIN PLASTIC'S CORPORATION
Name of Facility: FRANKLIN PLASTIC'S
Location: 113 PASSAIC AVE.
KEARNY N.J.
NJDES Number: NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water Allocation Section, 609-984-6831): 2 6 - 1 0 7 9 4 - 5
This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): West 74°-09'-46.7"
Latitude (one-tenth of second): North 40°-45'-23.7"
Elevation of Top of Casing (cap off) (one-hundredth of a foot): 7.84'
Owners Well Number (As shown on the application or plans): M.W.-5

AUTHENTICATION

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that, based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

Nicholas LeBo

PROFESSIONAL LAND SURVEYOR'S SIGNATURE

NICHOLAS LEBO SEAL

PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

21764

PROFESSIONAL LAND SURVEYOR'S LICENSE #

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THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: FRANKLIN PLASTIC'S CORPORATION
Name of Facility: FRANKLIN PLASTIC'S
Location: 113 PASSAIC AVE.
KEARNY N.J.
NJDES Number: NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water Allocation Section, 609-984-6831): 2 6 - 1 0 7 9 5 - 3
This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second): West 74°-09'-43.5"
Latitude (one-tenth of second): North 40°-45'-26.0"
Elevation of Top of Casing (cap off) (one-hundredth of a foot): 12.77'
Owners Well Number (As shown on the application or plans): M.W.-6

AUTHENTICATION

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PROFESSIONAL LAND SURVEYOR'S SIGNATURE

NICHOLAS LEBO
PROFESSIONAL LAND SURVEYOR'S NAME
(Please print or type)

SEAL

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THIS FORM MUST BE COMPLETED BY THE PERMITTEE OR HIS/HER AGENT

GROUND WATER MONITORING WELL CERTIFICATION - FORM B - LOCATION CERTIFICATION

Name of Permittee: FRANKLIN PLASTIC'S CORPORATION
Name of Facility: FRANKLIN PLASTIC'S
Location: 113 PASSAIC AVE.
KEARNY N.J.
NJDES Number: NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as assigned by NJDEP's Water Allocation Section, 609-984-6831): 2 6 - 1 0 7 9 6 - 1
This number must be permanently affixed to the well casing.

Longitude (one-tenth of a second):	West	74°-09'-42.6"
Latitude (one-tenth of second):	North	40°-45'-29.0"
Elevation of Top of Casing (cap off) (one-hundredth of a foot):		10.90'
Owners Well Number (As shown on the application or plans):		M.W.-7

AUTHENTICATION

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NICHOLAS LEBO
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The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require that wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES permit.

Location & Elevation Report
Ground Water Monitoring Wells
for
Recon Systems, Inc.
Test Site at Franklin Plastics
Passaic Avenue - Kearny, New Jersey
July 24, 1990

OLD MONITORING WELLS

Job No. 870705-Computer File No. AF05SP.DC
OLD MON-WELLS for FRANKLIN PLASTICS Dated: 07/23/1990 Crew NL ET AL
Field Work Done: 06/07/87Field Book 107 Pages 3-7 Computed by: JVD Borough of Kearny, Passaic County, NJ Computer File: C:\SDATA\AF05B2.100

5	701,557.5158	2,139,549.9278	40°-45'-23.69"	74°-49'-46.67"	7.84	5/2	5/2	I CUT MW-5	26-21734-5
7	701,428.5068	2,139,543.3697	40°-45'-24.39"	74°-49'-46.75"	7.16	5/2	5/2	MW-4	26-21733-7
8	701,214.5746	2,139,543.8263	40°-45'-26.23"	74°-49'-46.74"	8.66	5/2	5/2	MW-3	26-21732-9
10	701,315.2986	2,139,595.8483	40°-45'-25.21"	74°-49'-45.99"	8.13	5/2	5/2	MW-2	26-21731-2
11	701,349.1913	2,139,834.8758	40°-45'-25.52"	74°-49'-42.92"	8.15	5/2	5/2	MW-1	26-21731-2
12	701,494.7858	2,139,662.8989	40°-45'-23.98"	74°-49'-42.57"	10.98	5/2	5/2	MW-7	26-21736-1
13	701,196.9378	2,139,788.4319	40°-45'-26.84"	74°-49'-43.55"	12.77	5/2	5/2	MW-6	26-21735-3

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NEW MONITORING WELLS

Job No. 870705.B2-Traverse File No. AF05SP1.DC
NEW MON-WELLS for FRANKLIN PLASTICS Dated: 07/23/1990
Crew MM & GA Field Work Done: 07/19/90 Field Book 109 Pages 111
Computed by: NLBorough of Kearny Passaic County, NJ SDATA\AF05B2.100

16	701,515.8835	2,139,594.2678	40°-45'-25.28"	74°-49'-46.85"	18.87	5.75	7.3	MW-2R	26-21675-7
17	701,224.7626	2,139,529.5688	40°-45'-26.29"	74°-49'-46.91"	6.67	5.11	5.4	DW-3	26-21725-7
19	701,429.6871	2,139,538.6736	40°-45'-24.46"	74°-49'-46.81"	7.39	5.95	5/2	MW-4R	26-21755-9
20	701,136.9649	2,139,525.7158	40°-45'-24.47"	74°-49'-46.97"	7.44	7.08	5/2	DW-4	26-21726-5
21	701,953.2849	2,139,541.3485	40°-45'-23.64"	74°-49'-46.78"	7.94	7.53	5/2	DW-5	26-21727-3

I Hereby Certify the accuracy of the above information is correct to the best of my knowledge and proffesional opinion.

Nicholas Lebo, Pres.
N.J.-P.L.S. No. 21764

THIS FORM MUST be COMPLETED by the PERMITTEE or HIS/HER AGENT

GROUND WATER MONITORING WELL LOCATION CERTIFICATION: FORM-B CERTIFICATION

Name of Permittee: FRANKLIN PLASTICS CORPORATION
Name of Facility: FRANKLIN PLASTICS
Location: 113 Passaic Avenue
Kearny, New Jersey
NJDES Number: NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as Assigned by NJDEP'S Water Allocation Section, (609)984-6831): 26 - 20725 - 7

This number must be permanently affixed to the well casing.

Latitude (to one tenth of a second): 40°-45'-26.29"

Longitude (to one tenth of a second): 74°-09'-46.91"

Elevation of Top of Casing (cap off) (one hundredth of a foot): Elev. = 6.67

Owners Well Number (as shown on the application or plans): DW-3

AUTHENTICATION:

I certify under penalty of law that i have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

7/24/95 [signature]
DATE: PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Nicholas Lebo
PROFESSIONAL LAND SURVEYOR'S NAME

N.J. - P.L.S. No. 21764
PROFESSIONAL LAND SURVEYOR'S LICENSE No.

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES Permit.

THIS FORM MUST be COMPLETED by the PERMITTEE or HIS/HER AGENT

GROUND WATER MONITORING WELL LOCATION CERTIFICATION: FORM-B CERTIFICATION

Name of Permittee: FRANKLIN PLASTICS CORPORATION
Name of Facility: FRANKLIN PLASTICS
Location: 113 Passaic Avenue
Kearny, New Jersey
NJDES Number: NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as Assigned by NJDEP'S Water Allocation Section, (609)984-6831): 26 - 20726 - 5

This number must be permanently affixed to the well casing.

Latitude (to one tenth of a second): 40°-45'-24.47"

Longitude (to one tenth of a second): 74°-09'-46.97"

Elevation of Top of Casing (cap off) (one hundredth of a foot): Elev. = 7.44

Owners Well Number (as shown on the application or plans): DW-4

AUTHENTICATION:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

7/24/96 _____
DATE: PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Nicholas Lebo
PROFESSIONAL LAND SURVEYOR'S NAME

N.J. - P.L.S. No. 21764
PROFESSIONAL LAND SURVEYOR'S LICENSE No.

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THIS FORM MUST be COMPLETED by the PERMITTEE or HIS/HER AGENT

GROUND WATER MONITORING WELL LOCATION CERTIFICATION: FORM-B CERTIFICATION

Name of Permittee: FRANKLIN PLASTICS CORPORATION
Name of Facility: FRANKLIN PLASTICS
Location: 113 Passaic Avenue
Kearny, New Jersey
NJDES Number: NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as Assigned by NJDEP'S Water Allocation Section, (609)984-6831): 26 - 20727 - 3

This number must be permanently affixed to the well casing.

Latitude (to one tenth of a second): 40°-45'-23.64"

Longitude (to one tenth of a second): 74°-09'-46.78"

Elevation of Top of Casing (cap off) (one hundredth of a foot): Elev. = 7.94

Owners Well Number (as shown on the application or plans): DW-5

AUTHENTICATION:

I certify under penalty of law that i have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

7/24/90 Nicholas Lebo
DATE: PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Nicholas Lebo
PROFESSIONAL LAND SURVEYOR'S NAME

N.J. - P.L.S. No. 21764
PROFESSIONAL LAND SURVEYOR'S LICENSE No.

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES Permit.

THIS FORM MUST be COMPLETED by the PERMITTEE or HIS/HER AGENT

GROUND WATER MONITORING WELL LOCATION CERTIFICATION: FORM-B CERTIFICATION

Name of Permittee: FRANKLIN PLASTICS CORPORATION
Name of Facility: FRANKLIN PLASTICS
Location: 113 Passaic Avenue
Kearny, New Jersey
NJDES Number: NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as Assigned by NJDEP's Water Allocation Section, (609)984-6831): 26 - 20675 - 7

This number must be permanently affixed to the well casing.

Latitude (to one tenth of a second): 40°-45'-29.20"

Longitude (to one tenth of a second): 74°-09'-46.05"

Elevation of Top of Casing (cap off) (one hundredth of a foot): Elev. = 10.07

Owners Well Number (as shown on the application or plans): MW-2R

AUTHENTICATION:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

7/24/90 Nicholas Lebo
DATE: PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Nicholas Lebo
PROFESSIONAL LAND SURVEYOR'S NAME

N.J. - P.L.S. No. 21764
PROFESSIONAL LAND SURVEYOR'S LICENSE No.

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES Permit.

THIS FORM MUST be COMPLETED by the PERMITTEE or HIS/HER AGENT

GROUND WATER MONITORING WELL LOCATION CERTIFICATION: FORM-B CERTIFICATION

Name of Permittee: FRANKLIN PLASTICS CORPORATION
Name of Facility: FRANKLIN PLASTICS
Location: 113 Passaic Avenue
Kearny, New Jersey
NJDES Number: NJ N/A

LAND SURVEYOR'S CERTIFICATION

Well Permit Number (as Assigned by NJDEP'S Water Allocation Section, (609)984-6831): 25 - 20755 - 9

This number must be permanently affixed to the well casing.

Latitude (to one tenth of a second): 40°-45'-24.40"

Longitude (to one tenth of a second): 74°-09'-46.81"

Elevation of Top of Casing (cap off) (one hundredth of a foot): Elev. = 7.39

Owners Well Number (as shown on the application or plans): MW-4R

AUTHENTICATION:

I certify under penalty of law that I have personally examined and am familiar with the information submitted in this document and all attachments and that based on my inquiry of those individuals immediately responsible for obtaining the information, I believe the submitted information is true, accurate and complete. I am aware that there are significant penalties for submitting false information including the possibility of fine and imprisonment.

7/24/90 Nicholas Lebo
DATE: PROFESSIONAL LAND SURVEYOR'S SIGNATURE

Nicholas Lebo
PROFESSIONAL LAND SURVEYOR'S NAME

N.J. - P.L.S. No. 21764
PROFESSIONAL LAND SURVEYOR'S LICENSE No.

The Department reserves the right in cases of violation of permit specified ground water limits or Ground Water Quality Standards (N.J.A.C. 7:9-6.1 et seq.) to require wells be resurveyed to an accuracy of one-hundredth of a second latitude and longitude. This shall not be considered to require a major modification of the NJPDES Permit.

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

MONITORING WELL NO. MW-1

PERMIT NO. 2610790-2

SHEET 1 OF 1

JOB NO.	CLIENT		PROJECT LOCATION	
1126	FRANKLIN PLASTICS CORP.		KEARNEY, NJ	
LOCATION OF WELL			ELEVATION AND DATUM	
ADJACENT TO MAIN GATE ENTRANCE, FLUSH MOUNT			APPROX. 5' M.S.L.	
DRILLING CONTRACTOR	DRILLER		INSPECTOR	
RECON SYSTEMS, INC.	SEL, DRG		SEL, WAM	
DRILLING RIG TYPE	BIT TYPE		DATE STARTED	DATE COMPLETED
SIMCO 2800 HOLLOW STEM AUGER	6.25 ID,HS		5-29-87	5-29-87
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
2''x 24'' SPLIT SPOON	140lb	30''	8.0'	5.3' BG

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY	WELL CONSTRUCTION
	12				ASPHALT, 0-6", black	FLUSH MOUNT
	10 9		1		fill, 6"-24", ash and cinders.	8" dia. manhole Locking cap w/ brass ring .4'bg. CEMENT/BENTO.0-1.0'
			2		.....	
	10 2				FILL, 10", ash and	BENTONITE SEAL 1-2' pellets
	4 4		3		cinders, grey-black, moist.	
						RISER PIPE, 4" dia. TEFLON, 20 slot 0.5-3.0'
			4		.....	
	4 6				FILL, 13", alt. blk-	
					brown fill and	SAND PACK, #2, 2.0-8.5'
	8 8		5		yellow sand, visible	
				▽	pet.h.c. and odor.	
			6		.....	
	7 3				SAND AND ASH,5",	
					saturated w/ PHC.	
	1 2		7		TAR, 5", hard.	TEFLON SCREEN, 4"d. 20 slot, 3.0-8.0'
					SAND & ASH, 2",blk-	
					brwn, sat. w/ PHC.	
			8		.....	
	3 4				PEAT, 10", silt clay	TEFLON SLIP-ON CAP
					with roots and grass	
	6 3		9		mat preserved.	MASTERLOCK KEY 2010
			10			
			11			
			12			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

MONITORING WELL NO. MW-2

PERMIT NO. 2610791-1

SHEET 1 OF 1

JOB NO.	CLIENT		PROJECT LOCATION	
1126	FRANKLIN PLASTICS CORP.		KEARNEY, NJ	
LOCATION OF WELL			ELEVATION AND DATUM	
15'W OF GAS TANK EXCAVATION, 140'NW OF BLDG.			APPROX. 5' M.S.L.	
DRILLING CONTRACTOR	DRILLER		INSPECTOR	
RECON SYSTEMS, INC.	SEL, DRG		SEL, WAM	
DRILLING RIG TYPE	BIT TYPE		DATE STARTED	DATE COMPLETED
SIMCO 2800 HOLLOW STEM AUGER	6.25 ID,HS		5-28-87	5-28-87
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
2''x 24'' SPLIT SPOON	140lb	30''	7.5'	4.2'BG

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY	WELL CONSTRUCTION
1	5 21		1		LOAM, 8", grey-brwn, roots, dry, sandy, paint chips.	METAL STICKUP 2.3' TEFLON SU 2.0' CEMENT CURB 0.5'
	5 12		2		CLAY, 8",hard, dry, red brn, paint chips	CEMENT/BENTO GROUT 0-1.0'
	11 10		3		SAME CLAY, 4" CLAY, 5", silty,g.bk coaly, dry.	BENTONITE SEAL PELLETS, 1-2'
	8 4		4		COALY CINDERS, 3", CLAY,3",grn-brn, fine sandy, v.moist.	TEFLON RISER PIPE 4" dia. +2.0-2.5'
	11 10		5		CLAY, 2", sandy,red. SAND, 3", yellow. SILT, 2",wet, grey.	SAND PACK, #2 2.0-7.5'
	6 5		6		COAL/CINDERS,11",wet	
	3 2		7		FILL, 4", wet, same. CLAY, 14", dk.grey, wet, organic at top, no peat, tight.	TEFLON SCREEN, 4"d. 20 slot, 2.5-7.5'
	2 2		8			TEFLON SLIPON CAP
			9		Water level in adjacent gas tank excavation is 4.2'below grade.	
			10			
			11			
			12			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

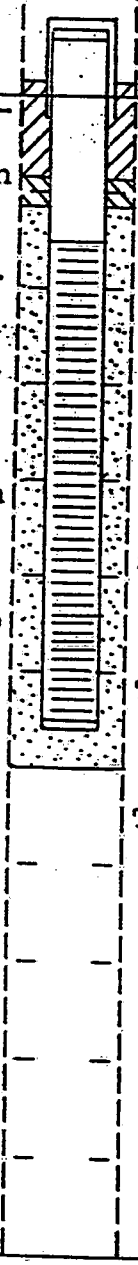
MONITORING WELL NO. MW-3

PERMIT NO. 2610792-9

SHEET 1 OF 1

JOB NO.	CLIENT		PROJECT LOCATION
1126	FRANKLIN PLASTICS CORP.		KEARNEY, NJ
LOCATION OF WELL			ELEVATION AND DATUM
17.5' W OF DUST COLLECTOR, W SIDE OF BLDG.			APPROX. 5' M.S.L.
DRILLING CONTRACTOR	DRILLER		INSPECTOR
RECON SYSTEMS, INC.	SEL, DRG		SEL, WAM
DRILLING RIG TYPE	BIT TYPE		DATE STARTED / DATE COMPLETED
SIMCO 2800 HOLLOW STEM AUGER	6.25 ID,HS		5-29-87 / 5-29-87
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH / WATER LEVEL
2''x 24'' SPLIT SPOON	140lb	30''	6.5' / 3.3' BG

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY
	11 9				FILL, 7", clay,grey-brown, moist.
	10 7		1		CLAY FILL, 8", rd-bn COAL/CINDERS, 4", black, moist.
	4 8		2		..... CLAY, 2", lt.grey, wet, coaly.
	18 9		3	▽	SAND, 4", buff, wet, oxidized.
	4 2		4		COAL FINES, 7",wet. ..... SAND, 4",fine, lt.bn wet.
	5 1		5		COAL ASH, 5",coarse, granular, wet.
	3 2		6		ROCK JAM. COBBLES TO 2" WHILE AUGERING. .....
	2 2		7		COAL ASH, 6" CLAY, 16",dark grey, wet, rootlets, dense marsh soil.
			8		
			9		
			10		
			11		
			12		



WELL CONSTRUCTION

METAL STICKUP 2.4'
TEFLON SU 2.2'
CEMENT CURB 0.5'

CEMENT/BENTO.GROUT
+0.5-0.8'

BENTONITE SEAL
pellets,0.8-1.2'

TEFLON RISER PIPE,
4" dia.
+2.2-1.5'

SAND PACK, #2
1.2-7.0'

TEFLON SCREEN, 4"d.
20 slot,
1.5-6.5'

TEFLON SLIP-ON CAP

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

MONITORING WELL NO. MW-4

PERMIT NO. 2610793-7

SHEET 1 OF 1

JOB NO.	CLIENT		PROJECT LOCATION
1126	FRANKLIN PLASTICS CORP.		KEARNEY, NJ
LOCATION OF WELL			ELEVATION AND DATUM
55'W OF DIKED TANK FARM, SW SIDE OF BLDG.			APPROX. 5' M.S.L.
DRILLING CONTRACTOR	DRILLER		INSPECTOR
RECON SYSTEMS, INC.	SEL, DRG		SEL, WAM
DRILLING RIG TYPE	BIT TYPE		DATE STARTED / DATE COMPLETED
SIMCO 2800 HOLLOW STEM AUGER	6.25 ID,HS		5-29-87 / 6-1-87
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH / WATER LEVEL
2''x 24'' SPLIT SPOON	140lb	30''	6.5' / 4.1' BG

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY
	25 16				CRUSHED ROCK, 6", sandy, grey-black.
	17 21		1		FILL, 1.6', rocky, black, sandy, coaly.
	24 12		2		..... FILL, AUGER TO 4', ROCK JAM, NO RECOV.
	8 4		3		
	7 14		4	▽	..... NO RECOVERY. ROCK JAM. AUGERED TO 6' WET AT 4'
	30 12		5		
	3 1		6		..... FILL, 6", coal ash. CLAY, 16",marsh soil top 6" peat. Grey, dense, wet.
	3 4		7		
			8		
			9		
			10		
			11		
			12		

WELL CONSTRUCTION

FLUSH MOUNT
8" dia. manhole.
Locking cap with brass ring 4.3"bg.

CEMENT/BENTO.GROUT
0.0-1.0'

BENTONITE SEAL
pellets
1.0-2.0'

TEFLON RISER PIPE
4" dia.
0.3-2.5'

SAND PACK, #2
2.0-6.5'

TEFLON SCREEN, 4"d.
.020 slot
2.5-6.0'

TEFLON SLIP-ON CAP

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

MONITORING WELL NO. MW-5

PERMIT NO. 2610794-5

SHEET 1 OF 1

JOB NO.	CLIENT		PROJECT LOCATION
1126	FRANKLIN PLASTICS CORP.		KEARNEY, NJ
LOCATION OF WELL			ELEVATION AND DATUM
37'NE OF SW FENCE, 70' S OF MW-4, IN ROAD			APPROX. 5' M.S.L.
DRILLING CONTRACTOR	DRILLER		INSPECTOR
RECON SYSTEMS, INC.	SEL, DRG		SEL, WAM
DRILLING RIG TYPE	BIT TYPE		DATE STARTED / DATE COMPLETED
SIMCO 2800 HOLLOW STEM AUGER	6.25 ID,HS		6-1-87 / 6-1-87
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH / WATER LEVEL
2''x 24'' SPLIT SPOON	140lb	30''	6.0' / 5.0' BG

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY	WELL CONSTRUCTION
1			0		ASPHALT & ROCK, 6"	FLUSH MOUNT 8" dia. manhole. Locking cap with brass ring 3.5"bg. Masterlock #2010
					FILL,6",sndy,coaly.	
			1		.....	
	9 18				CLAY FILL, 10",sandy brick & glass chips, dry.	
			2			
	12 5				COAL/CINDERS,6",blk, moist.	CEMENT/BENTO. GROUT 0.0-1.5'
			3		.....	
	4 4				COAL/CINDERS, 6", coarse.	BENTONITE SEAL pellets 1.5-2.0'
			4		CLAY,8", coaly, wet at 4.5'.	
	10 8					
			5	▽	.....	TEFLON RISER PIPE 4" dia. 0.3-2.5'
	2 1				COAL/CINDERS, 10", wet, coarse, black.	
			6		PEAT, 4", the CLAY, 3", sticky, organic, grey black, wet.	SAND PACK, #2 2.0-6.0'
	1 4					
			7			TEFLON SCREEN .020 slot 4" dia. 2.5-6.0'
			8			
			9			TEFLON SLIP-ON CAP
			10			
			11			
			12			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

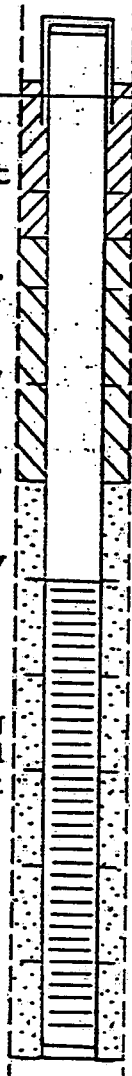
MONITORING WELL NO. MW-6

PERMIT NO. 2610795-3

SHEET 1 OF 1

JOB NO.	CLIENT			PROJECT LOCATION	
1126	FRANKLIN PLASTICS CORP.			KEARNEY, NJ	
LOCATION OF WELL				ELEVATION AND DATUM	
BETWEEN PASSAIC AVE. & PLANT, INSIDE FENCE				APPROX. 5' M.S.L.	
DRILLING CONTRACTOR		DRILLER		INSPECTOR	
RECON SYSTEMS, INC.		SEL, DRG		SEL, WAM	
DRILLING RIG TYPE		BIT TYPE		DATE STARTED	DATE COMPLETED
SIMCO 2800 HOLLOW STEM AUGER		6.25 ID, HS		6-1-87	6-1-87
SAMPLER TYPE		HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
2''x 24'' SPLIT SPOON		140lb	30''	10.0'	7.0'BG

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY
	2 3		0		FILL, 10", top 4" root mass, clay w/ coal & cinders, moist
	4 5		1		
	6 10		2		CLAY FILL, 16", red to black, coaly. Black stain at 4-8", no odor.
	10 10		3		
	11 2		4		CLAY FILL, 7", red-brown.
	2 3		5		SAME, 3", sandy, ashy yellow brwn, friable.
	3 1		6		SAME, 5"
	2 1		7		ASH, 3", black, slag SAND, 3", tan, oxidzd CLAY, 3", sandy, wet
			8		AUGERED FROM 7-10' HARD STREAK AT 10'
			9		WET, SANDY CLAY
			10		
			11		
			12		



WELL CONSTRUCTION

METAL STICKUP 2.9'
TEFLON SU 2.3' AG
CEMENT CURB 0.3'

CEMENT/BENTO. GROUT
+0.3-1.5'

BENTONITE SEAL
pellets
1.5-4.0'

TEFLON RISER PIPE
4" dia.
+2.3-5.0'

SAND PACK, #2
4.0-10.0'

TEFLON SCREEN, 4"d.
.020 slot
5.0-10.0'

TEFLON SLIP-ON CAP

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

MONITORING WELL NO. MW-7

PERMIT NO. 2610796-1

SHEET 1 OF 1

JOB NO.	CLIENT			PROJECT LOCATION	
1126	FRANKLIN PLASTICS CORP.			KEARNEY, NJ	
LOCATION OF WELL				ELEVATION AND DATUM	
BETWEEN BOILER RM.& PASSAIC AVE., BY DRY WELL				APPROX. 5' M.S.L.	
DRILLING CONTRACTOR		DRILLER		INSPECTOR	
RECON SYSTEMS, INC.		SEL, DRG		SEL, WAM	
DRILLING RIG TYPE		BIT TYPE		DATE STARTED	DATE COMPLETED
SIMCO 2800 HOLLOW STEM AUGER		6.25 ID,HS		5-28-87	5-28-87
SAMPLER TYPE		HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
2''x 24'' SPLIT SPOON		140lb	30''	9.0'	4.2' BG

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY	WELL CONSTRUCTION
1			0		ASPHALT/ROCK,6",oily	STEEL STICKUP 2.0'
					FILL,6",cl.snd,phc	TEFLON SU 1.7'AG
			1		.....	CEMENT CURB 0.3'
	9 6				SAND,9",yellow brown	CEMENT/BENTO.GROUT
					moist, clayey.	+0.3-1.0'
			2		FILL,10", coaly ash,	
	4 3				moist.	BENTONITE SEAL
						1.0-2.0'
			3		.....	
	2 1				FILL, 8", coal ash,	TEFLON RISER PIPE
					wet.	4" dia.
			4		CLAY, 1", rd-brn,	+1.7-2.5'
2	4 5				coaly, sampled.	
			5		.....	
	4 4				FILL, 14", clayey,	
					5% p.gravel,brick	SAND PACK, #2
			6		chucks, coaly, wet.	2.0-9.0'
	2 2				PEAT, 1.5",black,wet	
					SAND,5.5",clayey,wet	
			7		rootlets, grey-brwn.	TEFLON SCREEN
	5 5				.....	4" dia.
					SAND,14", same, wet	.020 slot
			8		coarsen downward.	2.5-9.0'
	2 2				CLAY, 6",sandy, mix	
					w/p.grav., 1 acorn,	TEFLON SLIP-ON CAP
			9		dark gray, organic	
					odor, v.moist.	
			10		8'8" to clay	
			11			
			12			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

MONITORING WELL NO. MW-2R

PERMIT NO. 26-20675-7

SHEET 1 OF 1

JOB NO.	CLIENT	PROJECT LOCATION
1575	FRANKLIN PLASTICS CORP.	KEARNY, NJ

LOCATION OF WELL	ELEVATION AND DATUM
ADJACENT TO ABANDONED MONITORING WELL MW-2	APPROX. 5' ABOVE M.S.L.

DRILLING CONTRACTOR	DRILLER	INSPECTOR	
RECON SYSTEMS	SEL	SEL	
DRILLING RIG TYPE	**BIT TYPE**	**DATE STARTED**	**DATE COMPLETED**
SIMCO 2800 HOLLOW STEM AUGER	6.25 ID,HS	6-13-90	6-13-90
SAMPLER TYPE	**HAMMER WEIGHT / DROP**	**TOTAL DEPTH**	**WATER LEVEL**
2''x 24'' SPLIT SPOON	140lb / 30''	7.5'	3.35'

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY	WELL CONSTRUCTION
			0		LOAM,8'',grey-brown,	WELL PROTECTOR
					roots,dry,sandy,	MASTER LOCK #2010
			1		paint chips.	4 INCH LOCKING CAP
					CLAY,3'',hard,dry,	CEMENT GROUT:
					red brn,paint chips	0.3'ag - 1.0'bg
			2		.....	BENTONITE PELLETS:
	11 10				SAME CLAY, 4''	1-2'
					CLAY, 5'',silty,g.bk	SAND #2:
	8 4		3		coaly, dry.	2-8'
				▽	COALY CINDERS, 3'',	RISER:
					CLAY, 3'',grn-brn,	PVC
			4		fine sandy, v. moist	4 INCH ID
	11 10				.....	SCHEDULE 40
					CLAY, 2'',sandy,red.	2.5'ag - 2.5'bg
	6 5		5		SAND, 3'',yellow.	FLUSH THREADED
					SILT, 2'',wet, grey.	COUPLING
					COAL CINDERS,11'',wet	SCREEN:
			6		.....	PVC
	3 2				FILL, 4'',wet,same.	4 INCH ID
					CLAY,14'',dk.grey,	0.020 SLOT
	2 2		7		wet, organic at top,	2.5-7.5'
					no peat, tight.	BOTTOM PLUG:
						PVC
			8		.....	4 INCH ID
						THREADED
			9			
			10			
			11			
			12			

MONITORING WELL NO. MW-4R

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

PERMIT NO. 26-20755-9

SHEET 1 OF 1

JOB NO.	CLIENT			PROJECT LOCATION
1575	FRANKLIN PLASTICS CORP.			KEARNY, NJ
LOCATION OF WELL				ELEVATION AND DATUM
ADJACENT TO ABANDONED MONITORING WELL MW-4				APPROX. 5' ABOVE M.S.L.
DRILLING CONTRACTOR		DRILLER		INSPECTOR
RECON SYSTEMS		SEL		SEL
DRILLING RIG TYPE		BIT TYPE		DATE STARTED / DATE COMPLETED
SIMCO 2800 HOLLOW STEM AUGER		6.25 ID,HS		6-13-90 / 6-13-90
SAMPLER TYPE		HAMMER WEIGHT	DROP	TOTAL DEPTH / WATER LEVEL
2''x 24'' SPLIT SPOON		140lb	30''	7.5' / 6'

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY	WELL CONSTRUCTION
					CRUSHED ROCK, 6''	WELL PROTECTOR
			-		sandy, grey-black.	MASTER LOCK #2010
			1		FILL, 1.6'', rocky,	4 INCH LOCKING CAP
					black,sandy,coaly.	CEMENT GROUT:
			-			0-1'
			2		.....	BENTONITE PELLETS:
	24 12				FILL, AUGER TO 4',	1-2'
			-		ROCK JAM, NO RECOV.	SAND #2:
	8 4		3			2-8'
						RISER:
			-			PVC
			4		.....	4 INCH ID
	7 14				FILL, brown clay,	SCHEDULE 40
			-		red shale/ss.	0.3-2.5'
	30 12		5			FLUSH THREADED
						COUPLING
			-			SCREEN:
			6		.....	PVC
	3 1				FILL,6'',coal ash.	4 INCH ID
			-		CLAY,16'',marsh soil	0.020 SLOT
	3 4		7		top 6'' peat. grey,	2.5-7.5'
					dense,wet.	BOTTOM PLUG:
			-			PVC
			8			4 INCH ID
						THREADED
			-			
			9			
			-			
			10			
			-			
			11			
			-			
			12			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

MONITORING WELL NO. DW-1

PERMIT NO. 26-20725-7

SHEET 1 OF 1

JOB NO.	CLIENT	PROJECT LOCATION
1575	FRANKLIN PLASTICS CORP.	KEARNY, NJ
LOCATION OF WELL		ELEVATION AND DATUM
ADJACENT TO MONITORING WELL MW-3		APPROX. 5' ABOVE M.S.L.
DRILLING CONTRACTOR	DRILLER	INSPECTOR
RECON SYSTEMS	SEL	SEL
DRILLING RIG TYPE	BIT TYPE	DATE STARTED / DATE COMPLETED
MOBIL B-53 WET ROTARY	10''& 6''	6-13-90 / 6-14-90
SAMPLER TYPE	HAMMER WEIGHT / DROP	TOTAL DEPTH / WATER LEVEL
		21' / 5'

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY	WELL CONSTRUCTION
					FILL 0-3'	FLUSH MOUNT MANHOLE
			-		clay, cobbles,	12 '' ID
			2		grey-brown color,	MASTER LOCK #2010
					moist.	2'' EXPANSION CAP
			-		COAL ASH 3-6.5'	10'' OUTER CASING
			4		grey-brown to black	SCHEDULE 40 STEEL
					wet, some clay.	0.3-10'
			-			CEMENT: 0.3-10'
			6			
					CLAY 6.5-8'	2'' INNER CASING
			-		dark grey, wet,	SCHEDULE 40 PVC
			8		rootlets, dense,	0.3-16'
					marsh soil.	CEMENT 0-2'
			-		.....	BENTONITE: 2-14'
			10		SILT, 8'',v. moist,	SAND #2: 14-21'
					grey to brown color,	FLUSH THREADED
			-		brick chips in upper	COUPLING
			12		2'',red brown grey	2'' SCREEN:
					color in lower 6'',	SCHEDULE 40 PVC
			-		ss pebbles, grey	0.020 SLOT
			14		mottling.	16-21'
					CLAY,16'' grey to	2'' BOTTOM PLUG:
			-		black organic clay,	THREADED PVC
			16		leaves,rootlets,	
					moist.	
			-		CLAY 8-13'	
			18		same as above.	
					CLAY 13-17'	
			-		wet, brown sandy,	
			20		ss cobbles, very	
					coarse sands at 17'	
			-		green clay mottling	
			22		SAND 17-21/	
					silty mud at 18',	
			-		coarse grained sand	
			24		ss cobbles, wet	

MONITORING WELL NO. DW-

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

PERMIT NO. 26-20726-

SHEET 1 OF

JOB NO.	CLIENT			PROJECT LOCATION	
1575	FRANKLIN PLASTICS CORP.			KEARNY, NJ	
LOCATION OF WELL				ELEVATION AND DATUM	
ADJACENT TO MONITORING WELL MW-4R				APPROX. 5' ABOVE M.S.L.	
DRILLING CONTRACTOR		DRILLER		INSPECTOR	
RECON SYSTEMS		SEL		SEL	
DRILLING RIG TYPE		BIT TYPE		DATE STARTED	DATE COMPLETED
MOBIL B-53 WET ROTARY		10''& 6''		6-13-90	6-14-90
SAMPLER TYPE		HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
				21'	6'

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY	WELL CONSTRUCTION
					ASPHALT 0-0.2'	FLUSH MOUNT MANHOLE
					TRAPROCK 0.2-0.5'	12'' ID
			2		FILL 0.5-6.5'	MASTER LOCK #2010
					bricks, large shale	2'' EXPANSION CAP
					fragments with br.	10'' OUTER CASING
			4		clay, moist to wet	SCHEDULE 40 STEEL
	8 9				black ash -soft to	0.3-10'
					hard, sl. moist.	CEMENT: 0.3-10'
	15 4		6			
	2 4				CLAY 6.5-11'	2'' INNER CASING
					light to dark grey,	SCHEDULE 40 PVC
	3 4		8		tight, sl. moist,	0.3-16'
	2 3				rootlets, leaves and	CEMENT 0-2'
					organic matter,	BENTONITE: 2-14'
	3 2		10		slightly micaceous.	SAND #2: 14-21'
						FLUSH THREADED
					CLAY 11-21'	COUPLING
			12		red to brown sandy,	2'' SCREEN:
	9 14				green mottling,	SCHEDULE 40 PVC
					50% sandstone cobb.	0.020 SLOT
	20 20		14			16-21'
	15 20					2'' BOTTOM PLUG:
						THREADED PVC
	9 11		16		wet silty clay	
			18			
			20			
			22			
			24			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

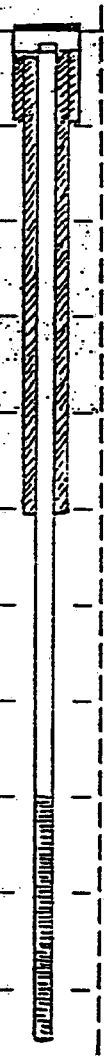
MONITORING WELL NO. DW-5

PERMIT NO. 26-20727-3

SHEET 1 OF 1

JOB NO.	CLIENT	PROJECT LOCATION
1575	FRANKLIN PLASTICS CORP.	KEARNY, NJ
LOCATION OF WELL		ELEVATION AND DATUM
ADJACENT TO MONITORING WELL MW-5		APPROX. 5' ABOVE M.S.L.
DRILLING CONTRACTOR	DRILLER	INSPECTOR
RECON SYSTEMS	SEL	SEL
DRILLING RIG TYPE	BIT TYPE	DATE STARTED / DATE COMPLETED
MOBIL B-53 WET ROTARY	10''& 6''	6-13-90 / 6-14-90
SAMPLER TYPE	HAMMER WEIGHT / DROP	TOTAL DEPTH / WATER LEVEL
		21' / 7.4'

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY	WELL CONSTRUCTION
					ASPHALT 0-0.5'	FLUSH MOUNT MANHOLE
			-		FILL 0.5-7'	12 '' ID
			2		brown clay	MASTER LOCK #2010
			-			2'' EXPANSION CAP
					moist between 3-4'	10'' OUTER CASING
			4			SCHEDULE 40 STEEL
	2 3				wet at 5'	0.3-10'
			-			CEMENT: 0.3-10'
	2 2		6			
	2 1				CLAY 7-11'	2'' INNER CASING
			-		light to dark grey,	SCHEDULE 40 PVC
	2 2		8		tight, organics,	0.3-16'
	2 2				slightly moist.	CEMENT 0-2'
			-			BENTONITE: 2-14'
	2 2		10			SAND #2: 14-21'
					.....	FLUSH THREADED
			-		CLAY,14'',dk.grey,	COUPLING
			12		sticky,wet,v. tight	2'' SCREEN:
					ss cobble,5'',jam,	SCHEDULE 40 PVC
			-		red brown,wet	0.020 SLOT
			14		.....	16-21'
					SAND,2'',silty,roots	2'' BOTTOM PLUG:
			-		CLAY,8'',same,grey,	THREADED PVC
			16		wet,rootlets in top	
					3'',sharp contact	
			-		with:	
			18		SAND,14'',red brown,	
					coarse,rotten ss,	
			-		coarse grained,	
			20		clasts to 2'',R=50%	
					.....	
			-		SAND,coarse,subround	
			22		grains to 1/8-1/4'',	
					pea gravel,ss clasts	
			-		wet, clean,jam,	
			24		polymineralized	



DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
TRENTON, N.J.

Mail to
Water Allocation
CN 029
Trenton, N.J. 08625

Permit No. _____

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P. COORD = 26 12 11

Owner FRANKLIN PLASTICS CORP.
Address 113 Passaic Ave.
Kearny, NJ 07032

Driller RECON SYSTEMS, INC.
Address Route 202 North P.O. Box 450
Three Bridges, NJ 08887

Name of Facility SAME AS ABOVE
Address _____

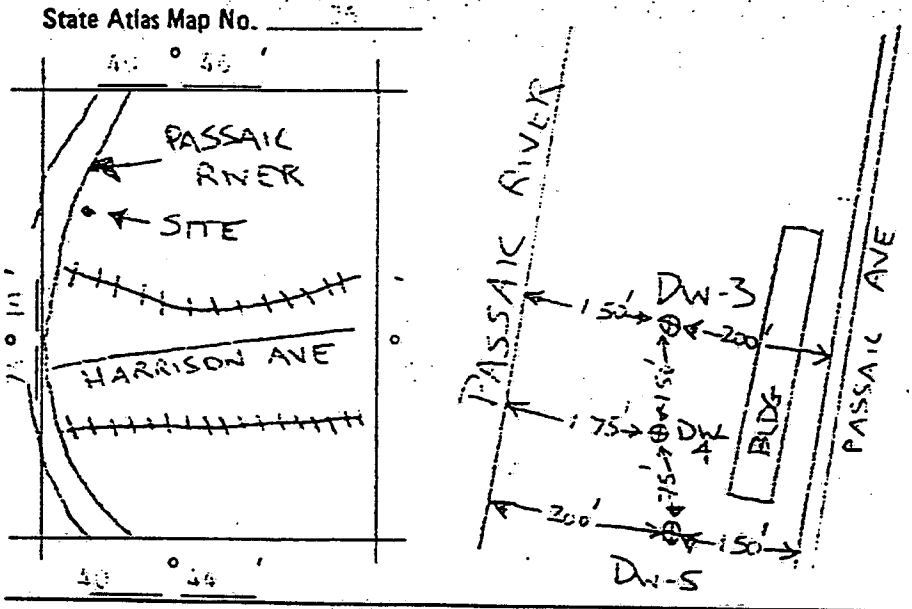
Diameter of Well(s)	2 Inches	Proposed Depth of Well(s)	25 Feet
# of Wells Applied for (max. 10)	3	Is pumping equipment to be installed? YES ☐ NO ☐	
Type of Well (see reverse)	Monitoring	If yes, give pump capacity	GPM

LOCATION OF WELL(S)

Lot #	Block #	Municipality	County
12		Kearny	Hudson

State Atlas Map No. 26

Draw sketch of well(s) to nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.



PERMIT #
26-20725-7
26-20726-5
26-20727-3
COORD ±
26:12:91

☐ Issuance of this permit is subject to the conditions attached. (see next page)
☐ For monitoring purposes only
☐ Only pure bentonite drilling muds are to be used for installation

This Space for Approval Stamp
WELL PERMIT APPROVED
Dept. of Environmental Protection
Water Resources/Water Allocation
JUN 7 1990

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED

☐ Spill Fund Case
☐ ECRA Case
☐ CERCLA (Superfund) Site
☐ RCRA Site
☐ Underground Storage Tank
☐ NJPDES Municipal Discharge Permit
☐ NJPDES Industrial Discharge Permit
☐ Div. Hazardous Waste Mgmt. Enforcement Case
☐ Div. Water Resources Enforcement Case
☐ Aquifer Test Observation Well
☐ Other (explain) _____

Case I.D. Number: 86026

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT.

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date _____ Signature of Driller _____

Signature of Owner _____

COPIES: Water Allocation—White and Pink Health Dept.—Yellow Owner—Blue Driller—White

Rauch Printing Service, Inc. Trenton, New Jersey 08620

11333

DWR-133M (9/89) SERIAL # 10116

STATE OF NEW JERSEY
DEPARTMENT OF ENVIRONMENTAL PROTECTION
DIVISION OF WATER RESOURCES
TRENTON, N.J.

Permit No. 26

Mail to
Water Allocation
CN 029
Trenton, N.J. 08625

PERMIT TO DRILL WELL

VALID ONLY AFTER APPROVAL BY THE D.E.P.

COORD #:

Owner Franklin Plastics Corporation

Address 113 Passaic Ave.
Kearney, NJ 07032

Name of Facility Same as above

Address

Driller [illegible]

Address Route 202 North, [illegible]
Three Bridges, N. [illegible]

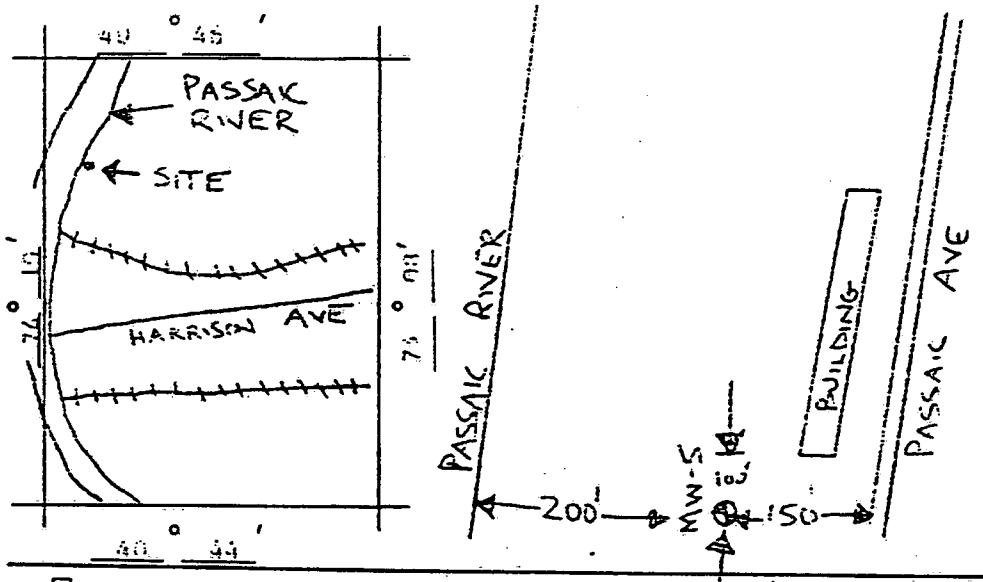
Diameter of Well(s) 4 Inches	Proposed Depth of Well(s) [illegible] Feet
# of Wells Applied for (max. 10) 1	Will pumping equipment be installed? YES ☐ NO ☐
Type of Well (see reverse) replacement (monitoring)	If yes, give pump capacity GPM

LOCATION OF WELL(S)

Lot # 12	Block # 1	Municipality Kearny	County Hudson

Draw sketch of well(s) to nearest roads, buildings, etc. with marked distances in feet. Each well MUST be labeled with a name and/or number on the sketch.

State Atlas Map No. 20



PERMIT #
26:20:675-7
~~26-20-675-7~~
26-20675-7

COORD #
26:12:918

☐ Issuance of this permit is subject to the conditions attached. (see next page)
☒ For monitoring purposes only
☐ Only pure bentonite drilling muds are to be used for installation

FOR MONITORING WELLS, RECOVERY WELLS, OR PIEZOMETERS, THE FOLLOWING MUST BE COMPLETED

- ☐ Spill Fund Case
- ☒ ECRA Case
- ☐ CERCLA (Superfund) Site
- ☐ RCRA Site
- ☐ Underground Storage Tank
- ☐ NJPDES Municipal Discharge Permit
- ☐ NJPDES Industrial Discharge Permit
- ☐ Div. Hazardous Waste Mgmt. Enforcement Case
- ☐ Div. Water Resources Enforcement Case
- ☐ Aquifer Test Observation Well
- ☐ Other (explain) Replacement of Monitoring Well MW-5

Case I.D. Number: [illegible]

This Space for Approval Stamp

WELL PERMIT APPROVED
Dept. of Environmental Protection
Div. of Water Resources / Water Allocation
JUN 5 1990

SEE REVERSE SIDE FOR IMPORTANT PROVISIONS AND REGULATIONS PERTAINING TO THIS PERMIT.

In compliance with N.J.S.A. 58:4A-14, application is made for a permit to drill a well as described above.

Date 4-5-90

Signature of Driller [illegible] (# [illegible])

Route 202 North, P.O. Box 460
Three Bridges, N.J. 08887
201-782-5900

New England 617-752-4217 Pennsylvania 215-433-5511

PROJECT MANAGER: WJM
SAMPLER: AHU/MDW
DATE: 7-2-90

MONITORING WELL PURGE/SAMPLING FIELD FORM

CLIENT: Franklin Plastics
PROJECT NO: 1575
LOCATION: Kearny
MONITORING WELL NO. MW-1 SAMPLE NO. _____

TOTAL DEPTH OF WELL 7.5' (TD)
WELL DIAMETER ~~10~~ 4"
CONSTRUCTION MATERIAL Teflon
STATIC WATER LEVEL BEFORE PURGE (*) 4.33* (SWL) TIME: _____
STATIC WATER LEVEL BEFORE SAMPLING (*) 5.00 FG TIME: _____
GALLONS OF STANDING WATER (SEE BELOW) 2 gallons (V)
TOTAL PURGE BEFORE SAMPLING (SEE BELOW) 6 gallons (TV)

HEIGHT OF PVC RISER ABOVE GRADE _____
DEPTH OF BRASS RING BELOW GRADE _____

* BELOW GRADE
NOTE! CASING IS 0.41 FT. BELOW GRADE

TD - SWL = H
H(FT) X C(GAL/FT) = V(GAL)
3 X V = TV

7.5
4.33
3.17
.65
1585
1902
2.087
2 gall

TURBIDITY: _____ COLOR: _____ pH: _____
TEMPERATURE: _____ CONDUCTIVITY: _____
RECHARGE CHARACTERISTICS: ~2 1 GPM

COMMENTS:

free product (fuel oil)

H = HEIGHT IN FEET OF WATER COLUMN IN WELL
C = CONVERSION EQUIVALENT (GAL/FT)
V = WATER VOLUME IN ONE PURGE
* = NEAREST TENTH OF FOOT. POINT OF REFERENCE.

TEFLON BAILER (2")
24" = .16 GAL = 6 BAILS/GAL
36" = .27 GAL = 4 BAILS/GAL

CONVERSIONS (C) (GAL/FT)

WELL DIAMETER	EQUIVALENTS
2"	1' = 0.16 GAL.
4"	1' = 0.65 GAL.
6"	1' = 1.47 GAL.
8"	1' = 2.61 GAL.

Route 202 North, P.O. Box 460
Three Bridges, N.J. 08887
201-782-5900

New England 617-752-4217 Pennsylvania 215-433-5511

PROJECT MANAGER: WAM
SAMPLER: MDW/AHV
DATE: 7-2-90

MONITORING WELL PURGE/SAMPLING FIELD FORM

CLIENT: Franklin Plastics
PROJECT NO: 1575
LOCATION: Kearny
MONITORING WELL NO. MW-2R SAMPLE NO. _____

TOTAL DEPTH OF WELL 19.8' (TD)
WELL DIAMETER 4.0
CONSTRUCTION MATERIAL PVC
HEIGHT OF PVC RISER ABOVE GRADE _____
DEPTH OF BRASS RING BELOW GRADE _____
STATIC WATER LEVEL BEFORE PURGE (*) 6 (SWL) TIME: _____
STATIC WATER LEVEL BEFORE SAMPLING (*) _____ TIME: _____
GALLONS OF STANDING WATER (SEE BELOW) 2.47 (V)
TOTAL PURGE BEFORE SAMPLING (SEE BELOW) 7.4 (TV)

TD - SWL = H
H(FT) X C(GAL/FT) = V(GAL)
3 X V = TV

3.80
.65
1900
2280
24.6700
x2

TURBIDITY: _____ COLOR: Gray pH: _____
TEMPERATURE: _____ CONDUCTIVITY: _____
RECHARGE CHARACTERISTICS: 0.2 GPM

COMMENTS:

Recharge:
~~0.3~~ 0.5/1.75 min
$0.5 \times \frac{2}{3} = 0.33$ gal/1.75 min

H = HEIGHT IN FEET OF WATER COLUMN IN WELL
C = CONVERSION EQUIVALENT (GAL/FT)
V = WATER VOLUME IN ONE PURGE
* = NEAREST TENTH OF FOOT. POINT OF REFERENCE.

TEFLON BAILER (2")
24" = .16 GAL = 6 BAILS/GAL
36" = .27 GAL = 4 BAILS/GAL

CONVERSIONS (C) (GAL/FT)

WELL DIAMETER	EQUIVALENTS
2"	1' = 0.16 GAL.
4"	1' = 0.65 GAL.
6"	1' = 1.47 GAL.
8"	1' = 2.61 GAL.

Route 202 North, P.O. Box 460
Three Bridges, N.J. 08887
201-782-5900

New England 617-752-4217 Pennsylvania 215-433-5511

PROJECT MANAGER: WAM
SAMPLER: ~~AHU~~/MDW
DATE: 7-2-90

MONITORING WELL PURGE/SAMPLING FIELD FORM

CLIENT: Franklin Plastics
PROJECT NO: 1575
LOCATION: Kearny
MONITORING WELL NO. MW-3 SAMPLE NO. _____

TOTAL DEPTH OF WELL 8.75' (TD) HEIGHT OF PVC RISER ABOVE GRADE _____
WELL DIAMETER 4" DEPTH OF BRASS RING BELOW GRADE _____
CONSTRUCTION MATERIAL ~~PVC~~ Teflon
STATIC WATER LEVEL BEFORE PURGE (*) 4.3' (SWL) TIME: _____
STATIC WATER LEVEL BEFORE SAMPLING (*) _____ TIME: _____
GALLONS OF STANDING WATER (SEE BELOW) 2.89 (V)
TOTAL PURGE BEFORE SAMPLING (SEE BELOW) 8.7 (TV)

TD - SWL = H
H(FT) X C(GAL/FT) = V(GAL)
3 X V = TV

4.45 x
.65
2225
2670
2.8925 = 8.7

TURBIDITY: _____ COLOR: Clear pH: _____
TEMPERATURE: _____ CONDUCTIVITY: _____
RECHARGE CHARACTERISTICS: ~~[illegible]~~ APPROX. 3 GPM
COMMENTS:

H = HEIGHT IN FEET OF WATER COLUMN IN WELL
C = CONVERSION EQUIVALENT (GAL/FT)
V = WATER VOLUME IN ONE PURGE
* = NEAREST TENTH OF FOOT. POINT OF REFERENCE.

TEFLON BAILER (2")
24" = .18 GAL = 6 BAILS/GAL
36" = .27 GAL = 4 BAILS/GAL

CONVERSIONS (C) (GAL/FT)

WELL DIAMETER	EQUIVALENTS
2"	1' = 0.16 GAL.
4"	1' = 0.65 GAL.
6"	1' = 1.47 GAL.
8"	1' = 2.61 GAL.

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201-782-5900

New England 617-752-4217 Pennsylvania 215-433-5511

PROJECT MANAGER: WMM
SAMPLER: AHU/MDW
DATE: 7-2-90

MONITORING WELL PURGE/SAMPLING FIELD FORM

CLIENT: Franklin Plastics
PROJECT NO: 1575
LOCATION: Kearny
MONITORING WELL NO. MW-4R SAMPLE NO. _____

TOTAL DEPTH OF WELL 7' (TD)
WELL DIAMETER 4"
CONSTRUCTION MATERIAL PVC
STATIC WATER LEVEL BEFORE PURGE (*) *3.35 (SWL)
STATIC WATER LEVEL BEFORE SAMPLING (*) _____
GALLONS OF STANDING WATER (SEE BELOW) 2.4 (V)
TOTAL PURGE BEFORE SAMPLING (SEE BELOW) 7.2 (TV)

HEIGHT OF PVC RISER ABOVE GRADE _____
DEPTH OF BRASS RING BELOW GRADE _____
TIME: _____
TIME: _____

TD - SWL = H
H(FT) X C(GAL/FT) = V(GAL)
3 X V = TV

3.65
.65
2125
2190
24025
2
7.2 gal

* BELOW GRADE
NOTE: CASING IS 0.41 FT. BELOW GRADE

TURBIDITY: Very
COLOR: Milky white
pH: _____
TEMPERATURE: _____
CONDUCTIVITY: _____
RECHARGE CHARACTERISTICS: ~~[illegible]~~ 3 GPM

COMMENTS:
oil Sheen

H = HEIGHT IN FEET OF WATER COLUMN IN WELL
C = CONVERSION EQUIVALENT (GAL/FT)
V = WATER VOLUME IN ONE PURGE
* = NEAREST TENTH OF FOOT. POINT OF REFERENCE.

TEFLON BAILER (2")
24" = .18 GAL = 6 BAILS/GAL
36" = .27 GAL = 4 BAILS/GAL

CONVERSIONS (C) (GAL/FT)

WELL DIAMETER	EQUIVALENTS
2"	1' = 0.16 GAL.
4"	1' = 0.65 GAL.
6"	1' = 1.47 GAL.
8"	1' = 2.61 GAL.

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PROJECT MANAGER: WAM
SAMPLER: AHW/MDW
DATE: 7-2-90

MONITORING WELL PURGE/SAMPLING FIELD FORM

CLIENT: Franklin Plastics
PROJECT NO: 1575
LOCATION: Kearny
MONITORING WELL NO. MW-5 SAMPLE NO. _____

TOTAL DEPTH OF WELL 4.9 (TD)
WELL DIAMETER 4"
CONSTRUCTION MATERIAL Teflon
STATIC WATER LEVEL BEFORE PURGE (*) * 3.85 (SWL) TIME: _____
STATIC WATER LEVEL BEFORE SAMPLING (*) _____ TIME: _____
GALLONS OF STANDING WATER (SEE BELOW) .68 (V)
TOTAL PURGE BEFORE SAMPLING (SEE BELOW) 2.04 (TV)

HEIGHT OF PVC RISER ABOVE GRADE _____
DEPTH OF BRASS RING BELOW GRADE _____

* BELOW GRADE

NOTE: CASING IS 0.58 FT. BELOW GRADE

TD - SWL = H
H(FT) X C(GAL/FT) = V(GAL)
3 X V = TV

1.05
.65
525
630
.6825

TURBIDITY: _____ COLOR: Clear pH: _____
TEMPERATURE: _____ CONDUCTIVITY: _____
RECHARGE CHARACTERISTICS: ~1 GPM

COMMENTS:

$0.2' \times \frac{2}{3}$ / MIN

H = HEIGHT IN FEET OF WATER COLUMN IN WELL
C = CONVERSION EQUIVALENT (GAL/FT)
V = WATER VOLUME IN ONE PURGE
* = NEAREST TENTH OF FOOT. POINT OF REFERENCE.

TEFLON BAILER (2")
24" = .18 GAL = 6 BAILS/GAL
36" = .27 GAL = 4 BAILS/GAL

CONVERSIONS (C) (GAL/FT)

WELL DIAMETER	EQUIVALENTS
2"	1' = 0.16 GAL.
4"	1' = 0.65 GAL.
6"	1' = 1.47 GAL.
8"	1' = 2.61 GAL.

(F-12)(12.15.88)

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PROJECT MANAGER: [illegible]
SAMPLER: AHV/MJW
DATE: 7-2-90

MONITORING WELL PURGE/SAMPLING FIELD FORM

CLIENT: Franklin Plastics
PROJECT NO: 1575
LOCATION: Kearny
MONITORING WELL NO. MW-6 SAMPLE NO. _____

TOTAL DEPTH OF WELL 11.9 (TD)
WELL DIAMETER 4"
CONSTRUCTION MATERIAL ~~Sch. 40 PVC~~ Teflon
STATIC WATER LEVEL BEFORE PURGE (*) 9' (SWL) TIME: _____
STATIC WATER LEVEL BEFORE SAMPLING (*) _____ TIME: _____
GALLONS OF STANDING WATER (SEE BELOW) _____ (V)
TOTAL PURGE BEFORE SAMPLING (SEE BELOW) _____ (TV)

HEIGHT OF PVC RISER ABOVE GRADE _____
DEPTH OF BRASS RING BELOW GRADE _____

TD - SWL = H
H(FT) X C(GAL/FT) = V(GAL)
3 X V = TV

11.9 - 9 = 2.9'

2.9 × .65

1	74	55
1	74	0
1.9	8	50

× 3

5.94 gal

TURBIDITY: _____ COLOR: clear pH: _____
TEMPERATURE: _____ CONDUCTIVITY: _____
RECHARGE CHARACTERISTICS: 2 1/2 GPM

COMMENTS:

H = HEIGHT IN FEET OF WATER COLUMN IN WELL
C = CONVERSION EQUIVALENT (GAL/FT)
V = WATER VOLUME IN ONE PURGE
* = NEAREST TENTH OF FOOT. POINT OF REFERENCE.

TEFLON BAILER (2")
24" = .15 GAL = 6 BAILS/GAL
36" = .27 GAL = 4 BAILS/GAL

CONVERSIONS (C) (GAL/FT)

WELL DIAMETER	EQUIVALENTS
2"	1' = 0.16 GAL.
4"	1' = 0.65 GAL.
6"	1' = 1.47 GAL.
8"	1' = 2.61 GAL.

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PROJECT MANAGER: WAM
SAMPLER: AHV/MDW
DATE: 7-2-90

MONITORING WELL PURGE/SAMPLING FIELD FORM

CLIENT: Franklin Plastics
PROJECT NO: 1575
LOCATION: Kearny
MONITORING WELL NO. MW-7 SAMPLE NO. _____

TOTAL DEPTH OF WELL 11.1 (TO)
WELL DIAMETER 4"
CONSTRUCTION MATERIAL Teflon
STATIC WATER LEVEL BEFORE PURGE (*) 8.6' (SWL) TIME: _____
STATIC WATER LEVEL BEFORE SAMPLING (*) _____ TIME: _____
GALLONS OF STANDING WATER (SEE BELOW) _____ (V)
TOTAL PURGE BEFORE SAMPLING (SEE BELOW) _____ (TV)

HEIGHT OF PVC RISER ABOVE GRADE _____
DEPTH OF BRASS RING BELOW GRADE _____

TD - SWL = H
H(FT) X C(GAL/FT) = V(GAL)
3 X V = TV

11.1
8.6
2.5
2
5.0
3
15 GAL.

TURBIDITY: Clear
COLOR: Clear pH: _____
TEMPERATURE: 75-80°
CONDUCTIVITY: _____
RECHARGE CHARACTERISTICS: 0.1 GPM

COMMENTS:

WATER WAS MUCH WARMER THAN IN OTHER WELLS

H = HEIGHT IN FEET OF WATER COLUMN IN WELL
C = CONVERSION EQUIVALENT *(GAL/FT)
V = WATER VOLUME IN ONE PURGE
* = NEAREST TENTH OF FOOT. POINT OF REFERENCE.

TEFLON BAILER (2")
24" = .18 GAL = 6 BAILS/GAL
36" = .27 GAL = 4 BAILS/GAL

CONVERSIONS (C) (GAL/FT)

WELL DIAMETER	EQUIVALENTS
2"	1' = 0.16 GAL.
4"	1' = 0.65 GAL.
6"	1' = 1.47 GAL.
8"	1' = 2.61 GAL.

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PROJECT MANAGER: WTM
SAMPLER: MDW/ATHU
DATE: 7-2-90

MONITORING WELL PURGE/SAMPLING FIELD FORM

CLIENT: Franklin Plastics
PROJECT NO: [redacted] 1575
LOCATION: Kearny
MONITORING WELL NO. DW-3 SAMPLE NO. _____

TOTAL DEPTH OF WELL 19.4' (TD)
WELL DIAMETER 2"
CONSTRUCTION MATERIAL PVC
STATIC WATER LEVEL BEFORE PURGE (*) *5' (SWL) TIME: _____
STATIC WATER LEVEL BEFORE SAMPLING (*) _____ TIME: _____
GALLONS OF STANDING WATER (SEE BELOW) _____ (V)
TOTAL PURGE BEFORE SAMPLING (SEE BELOW) _____ (TV)

HEIGHT OF PVC RISER ABOVE GRADE _____
DEPTH OF BRASS RING BELOW GRADE _____

* BELOW GRADE.
NOTE: TOP OF CASING IS 0.54 FT. BELOW GRADE

TD - SWL = H
H(FT) X C(GAL/FT) = V(GAL)
3 X V = TV

19.4 - 5 = 15

.14

3
15
.16
90
150
240
x3

3'/1 min

3
.14
18
30
.42

TURBIDITY: Clear
COLOR: [redacted] lt. blue green color
pH: _____
TEMPERATURE: _____
CONDUCTIVITY: _____
RECHARGE CHARACTERISTICS: > 5GPM

COMMENTS:

H = HEIGHT IN FEET OF WATER COLUMN IN WELL
C = CONVERSION EQUIVALENT (GAL/FT)
V = WATER VOLUME IN ONE PURGE
* = NEAREST TENTH OF FOOT. POINT OF REFERENCE.

TEFLON BAILER (2")
24" = .15 GAL = 6 BAILS/GAL
36" = .27 GAL = 4 BAILS/GAL

CONVERSIONS (C) (GAL/FT)

WELL DIAMETER	EQUIVALENTS
2"	1' = 0.16 GAL.
4"	1' = 0.65 GAL.
6"	1' = 1.47 GAL.
8"	1' = 2.61 GAL.

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PROJECT MANAGER: WAM
SAMPLER: MAW/AMU
DATE: 7-2-90

MONITORING WELL PURGE/SAMPLING FIELD FORM

CLIENT: Franklin Plastics
LOCATION: Quarry
PROJECT NO: 1575
MONITORING WELL NO. DW-4 SAMPLE NO. _____

TOTAL DEPTH OF WELL 20.6' (TD)
WELL DIAMETER 2"
CONSTRUCTION MATERIAL ~~PVC~~ PVC
HEIGHT OF PVC RISER ABOVE GRADE _____
DEPTH OF BRASS RING BELOW GRADE _____

STATIC WATER LEVEL BEFORE PURGE (*) *6.05 (SWL) TIME: _____
STATIC WATER LEVEL BEFORE SAMPLING (*) _____ TIME: _____
GALLONS OF STANDING WATER (SEE BELOW) _____ (V)
TOTAL PURGE BEFORE SAMPLING (SEE BELOW) _____ (TV)

TD - SWL = H
H(FT) X C(GAL/FT) = V(GAL)
3 X V = TV

* BELOW GRADE
NOTE: TOP OF CASING IS 0.33 FT. BELOW GRADE

20.6 - 6.05 = 14.55

2 3 3
14.55
.16
8730
14550
2.3280
5

TURBIDITY: Clear
COLOR: Clear to Brown
pH: _____
TEMPERATURE: _____
CONDUCTIVITY: _____
RECHARGE CHARACTERISTICS: Slow ~~5~~ ½ GPM

COMMENTS:

Recharge ~ 3"/minute 3.16 / .484 min

H = HEIGHT IN FEET OF WATER COLUMN IN WELL
C = CONVERSION EQUIVALENT (GAL/FT)
V = WATER VOLUME IN ONE PURGE
* = NEAREST TENTH OF FOOT. POINT OF REFERENCE.

TEFLON BAILER (2")
24" = .18 GAL = 6 BAILS/GAL
36" = .27 GAL = 4 BAILS/GAL

CONVERSIONS (C) (GAL/FT)

WELL DIAMETER	EQUIVALENTS
2"	1' = 0.16 GAL.
4"	1' = 0.65 GAL.
6"	1' = 1.47 GAL.
8"	1' = 2.61 GAL.

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PROJECT MANAGER: WAM
SAMPLER: MDW/AHV
DATE: 7-2-90

MONITORING WELL PURGE/SAMPLING FIELD FORM

CLIENT: Franklin Plastics
LOCATION: Kearny
PROJECT NO: 1575
MONITORING WELL NO. DW-5 SAMPLE NO. _____

TOTAL DEPTH OF WELL 20.9 (TD)
WELL DIAMETER 2"
CONSTRUCTION MATERIAL PVC
STATIC WATER LEVEL BEFORE PURGE (*) 7.4 * (SWL)
STATIC WATER LEVEL BEFORE SAMPLING (*) _____
GALLONS OF STANDING WATER (SEE BELOW) _____ (V)
TOTAL PURGE BEFORE SAMPLING (SEE BELOW) _____ (TV)

HEIGHT OF PVC RISER ABOVE GRADE _____
DEPTH OF BRASS RING BELOW GRADE _____

TIME: _____
TIME: _____

* BELOW GRADE
NOTE: TOP OF CASING IS 0.375 FT. BELOW GRADE

TD - SWL = H
H(FT) X C(GAL/FT) = V(GAL)
3 X V = TV

20.9 - 7.4 = 13.5 x 0.16 = 2.16 x 3 = 6.5

13.5 .16 2.16 3 6.48 slight

TURBIDITY: _____ COLOR: H. brown pH: _____

TEMPERATURE: _____ CONDUCTIVITY: _____

RECHARGE CHARACTERISTICS: > 5GPM

COMMENTS:

H = HEIGHT IN FEET OF WATER COLUMN IN WELL
C = CONVERSION EQUIVALENT (GAL/FT)
V = WATER VOLUME IN ONE PURGE
* = NEAREST TENTH OF FOOT. POINT OF REFERENCE.

TEFLON BAILER (2")
24" = .16 GAL = 6 BAILS/GAL
36" = .27 GAL = 4 BAILS/GAL

CONVERSIONS (C) (GAL/FT)

WELL DIAMETER	EQUIVALENTS
2"	1' = 0.16 GAL.
4"	1' = 0.65 GAL.
6"	1' = 1.47 GAL.
8"	1' = 2.61 GAL.

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

MONITORING WELL NO. DW-3

PERMIT NO. 26-20725-7

SHEET 1 OF 1

JOB NO.	CLIENT	PROJECT LOCATION
1575	FRANKLIN PLASTICS CORP.	KEARNY, NJ
LOCATION OF WELL		ELEVATION AND DATUM
ADJACENT TO MONITORING WELL MW-3		APPROX. 5' ABOVE M.S.L.
DRILLING CONTRACTOR	DRILLER	INSPECTOR
RECON SYSTEMS	SEL	SEL
DRILLING RIG TYPE	BIT TYPE	DATE STARTED / DATE COMPLETED
MOBIL B-53 WET ROTARY	10''& 6''	6-13-90 / 6-14-90
SAMPLER TYPE	HAMMER WEIGHT / DROP	TOTAL DEPTH / WATER LEVEL
		21' / 5'

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY	WELL CONSTRUCTION
					FILL 0-3'	FLUSH MOUNT MANHOLE
			-		clay, cobbles,	12 '' ID
			2		grey-brown color,	MASTER LOCK #2010
					moist.	2'' EXPANSION CAP
			-		COAL ASH 3-6.5'	10'' OUTER CASING
			4		grey-brown to black	SCHEDULE 40 STEEL
					wet, some clay.	0.3-10'
			-			CEMENT: 0.3-10'
			6	▽		
					CLAY 6.5-8'	2'' INNER CASING
			-		dark grey, wet,	SCHEDULE 40 PVC
			8		rootlets, dense,	0.3-16'
					marsh soil.	CEMENT 0-2'
			-		.....	BENTONITE: 2-14'
			10		SILT, 8'',v. moist,	SAND #2: 14-21'
					grey to brown color,	FLUSH THREADED
			-		brick chips in upper	COUPLING
			12		2'',red brown grey	2'' SCREEN:
					color in lower 6'',	SCHEDULE 40 PVC
			-		ss pebbles, grey	0.020 SLOT
			14		mottling.	16-21'
					CLAY,16'' grey to	2'' BOTTOM PLUG:
			-		black organic clay,	THREADED PVC
			16		leaves,rootlets,	
					moist.	
			-		CLAY 8-13'	
			18		same as above.	
					CLAY 13-17'	
			-		wet, brown sandy,	
			20		ss cobbles, very	
					coarse sands at 17'	
			-		green clay mottling	
			22		SAND 17-21/	
					silty mud at 18',	
			-		coarse grained sand	
			24		ss cobbles, wet	

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

MONITORING WELL NO. DW-4

PERMIT NO. 26-20726-5

SHEET 1 OF 1

JOB NO.	CLIENT	PROJECT LOCATION
1575	FRANKLIN PLASTICS CORP.	KEARNY, NJ
LOCATION OF WELL		ELEVATION AND DATUM
ADJACENT TO MONITORING WELL MW-4R		APPROX. 5' ABOVE M.S.L.
DRILLING CONTRACTOR	DRILLER	INSPECTOR
RECON SYSTEMS	SEL	SEL
DRILLING RIG TYPE	BIT TYPE	DATE STARTED / DATE COMPLETED
MOBIL B-53 WET ROTARY	10''& 6''	6-13-90 / 6-14-90
SAMPLER TYPE	HAMMER WEIGHT / DROP	TOTAL DEPTH / WATER LEVEL
		21' / 6'

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY	WELL CONSTRUCTION
					ASPHALT 0-0.2'	FLUSH MOUNT MANHOLE
					TRAPROCK 0.2-0.5'	12 '' ID
			2		FILL 0.5-6.5'	MASTER LOCK #2010
					bricks, large shale	2'' EXPANSION CAP
					fragments with br.	10'' OUTER CASING
			4		clay, moist to wet	SCHEDULE 40 STEEL
	8 9				black ash -soft to	0.3-10'
					hard, sl. moist.	CEMENT: 0.3-10'
	15 4		6			
	2 4			▽	CLAY 6.5-11'	2'' INNER CASING
				≡	light to dark grey,	SCHEDULE 40 PVC
	3 4		8		tight, sl. moist,	0.3-16'
	2 3				rootlets, leaves and	CEMENT 0-2'
					organic matter,	BENTONITE: 2-14'
	3 2		10		slightly micaceous.	SAND #2: 14-21'
						FLUSH THREADED
					CLAY 11-21'	COUPLING
			12		red to brown sandy,	2'' SCREEN:
	9 14				green mottling,	SCHEDULE 40 PVC
					50% sandstone cobb.	0.020 SLOT
	20 20		14			16-21'
	15 20				SAND, 15-21', c, subr.	2'' BOTTOM PLUG:
					pea grav., ss clasts, wet	THREADED PVC
	9 11		16			
			18			
			20			
			22			
			24			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

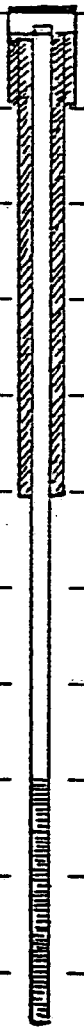
MONITORING WELL NO. DW-5

PERMIT NO. 26-20727-3

SHEET 1 OF 1

JOB NO.	CLIENT			PROJECT LOCATION	
1575	FRANKLIN PLASTICS CORP.			KEARNY, NJ	
LOCATION OF WELL				ELEVATION AND DATUM	
ADJACENT TO MONITORING WELL MW-5				APPROX. 5' ABOVE M.S.L.	
DRILLING CONTRACTOR		DRILLER		INSPECTOR	
RECON SYSTEMS		SEL		SEL	
DRILLING RIG TYPE		BIT TYPE		DATE STARTED	DATE COMPLETED
MOBIL B-53 WET ROTARY		10''& 6''		6-13-90	6-14-90
SAMPLER TYPE		HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
				21'	7.4'

SAMPLE NO.	SAMPLE BLOWS	LITH TYPE	DEPTH FT.	WATER	LITHOLOGY	WELL CONSTRUCTION
					ASPHALT 0-0.5'	FLUSH MOUNT MANHOLE
			-		FILL 0.5-7'	12 '' ID
			2		brown clay	MASTER LOCK #2010
						2'' EXPANSION CAP
			-		moist between 3-4'	10'' OUTER CASING
			4			SCHEDULE 40 STEEL
	2 3				wet at 5'	0.3-10'
			-			CEMENT: 0.3-10'
	2 2		6			
	2 1				CLAY 7-11'	2'' INNER CASING
			-	▽	light to dark grey,	SCHEDULE 40 PVC
	2 2		8		tight, organics,	0.3-16'
	2 2				slightly moist.	CEMENT 0-2'
			-			BENTONITE: 2-14'
	2 2		10			SAND #2: 14-21'
					.....	FLUSH THREADED
			-		CLAY,14'',dk.grey,	COUPLING
			12		sticky,wet,v. tight	2'' SCREEN:
					ss cobble,5'',jam,	SCHEDULE 40 PVC
			-		red brown,wet	0.020 SLOT
			14		.....	16-21'
					SAND,2'';silty,roots	2'' BOTTOM PLUG:
			-		CLAY,8'',same,grey,	THREADED PVC
			16		wet,rootlets in top	
					3'',sharp contact	
			-		with:	
			18		SAND,14-21',red brown,	
					coarse,rotten ss,	
			-		coarse grained,	
			20		clasts to 2'',R=50%	
					.....	
			-		SAND,coarse,subround	
			22		grains to 1/8-1/4'',	
					pea gravel,ss clasts	
			-		wet, clean,jam,	
			24		polymineral	



APPENDIX III

Boring Lithologic Logs

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

BORING NO. B -19

SHEET ___ OF ___

JOB NO.	CLIENT		PROJECT LOCATION	
1575	Franklin Plastics		Kearny	
LOCATION OF BORING			ELEVATION AND DATUM	
48.5' from fence; 3 ft from building			Grade	
DRILLING CONTRACTOR	DRILLER		INSPECTOR	
RECON			RMC	
DRILLING RIG TYPE	SIZE AND TYPE OF BIT		DATE STARTED	DATE COMPLETED
			6-12-90	6-12-90
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
4" d hand auger			16"	

SAMPLES NO.	SAMPLES BLOWS	LITH TYPE	DEPTH FT.	WATER	DESCRIPTION OF SOILS	% RECOVERY AND REMARKS
			6"		SAND, 0-2" gry, weeds	
			12"		LOAM, 2" -10" dk brown loam	
			18"		LOAM, 10"-16" rd brn loam - moist	sample B-19 12" - 16"

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

BORING NO. B-20

SHEET ___ OF ___

JOB NO.	CLIENT		PROJECT LOCATION	
1575	Franklin Plastics		Kearny	
LOCATION OF BORING	13' from center of gate near discharge pipe; 6" from building		ELEVATION AND DATUM	
DRILLING CONTRACTOR	DRILLER		INSPECTOR	
RECON			RMC	
DRILLING RIG TYPE	SIZE AND TYPE OF BIT		DATE STARTED	DATE COMPLETED
			6-12-90	6-12-90
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
4" d hand auger			26"	

SAMPLES NO.	SAMPLES BLOWS	LITH TYPE	DEPTH FT.	WATER	DESCRIPTION OF SOILS	% RECOVERY AND REMARKS
			4"		SAND, 0-8" gry-dry	
			8"		FILL, 8-14" brown loam, traprock, brick fragments	
			12"		LOAM, 14-16" brown loam ½" thick clay stringer	sample B-20 22" - 26"
			16"		FILL, 16-20" brown loam bricks 1" d moist	
			20"		FILL, 20-26" dk brown loam bricks 1" d, moist	
			24"			
			28"			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

BORING NO. B-21

SHEET ___ OF ___

JOB NO.	CLIENT		PROJECT LOCATION	
1575	Franklin Plastics		Kearny	
LOCATION OF BORING			ELEVATION AND DATUM	
15' north of center of gate; 3.5' from building				
DRILLING CONTRACTOR	DRILLER		INSPECTOR	
RECON			RMC	
DRILLING RIG TYPE	SIZE AND TYPE OF BIT		DATE STARTED	DATE COMPLETED
			6-12-90	6-12-90
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
4" d hand auger			20"	

SAMPLES NO.	SAMPLES BLOWS	LITH TYPE	DEPTH FT.	WATER	DESCRIPTION OF SOILS	% RECOVERY AND REMARKS
			6"		FILL, 0-10" gray loam, gravel 1" d , dry	
			12"		FILL, 10-14" gray brown loam, gravel	
			18"		FILL, 14-20" red clayey loam, traprock 1" d, moist	sample B-21 14" - 20"
			24"			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

BORING NO. B-22

SHEET ___ OF ___

JOB NO.	CLIENT		PROJECT LOCATION	
1575	Franklin Plastics		Kearny	
LOCATION OF BORING			ELEVATION AND DATUM	
13' south of MW - 6; 3.5' from bldg.				
DRILLING CONTRACTOR	DRILLER		INSPECTOR	
RECON			RMC	
DRILLING RIG TYPE	SIZE AND TYPE OF BIT		DATE STARTED	DATE COMPLETED
			6-12-90	6-12-90
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
4" d hand auger			18"	

SAMPLES NO.	SAMPLES BLOWS	LITH TYPE	DEPTH FT.	WATER	DESCRIPTION OF SOILS	% RECOVERY AND REMARKS
			6"		LOAM, 0-4": yellow-gray loam, gravel	
			12"		FILL, 4"-12" red brown loam brick, traprock, dry	
			18"		FILL, 12" - 18" red-brown loam fewer brick fragments traprock, ¼" d slag, dry	sample B-22 12" -18"

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

BORING NO. ____

SHEET ___ OF ___

JOB NO.	CLIENT		PROJECT LOCATION	
1575	Franklin Plastics		Kearny, N.J.	
LOCATION OF BORING			ELEVATION AND DATUM	
Background				
DRILLING CONTRACTOR	DRILLER		INSPECTOR	
RECON			Craig Caldwell	
DRILLING RIG TYPE	SIZE AND TYPE OF BIT		DATE STARTED	DATE COMPLETED
			6-13-90	6-13-90
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
Hand auger			4.0'	4.0'

SAMPLES NO.	SAMPLES BLOWS	LITH TYPE	DEPTH FT.	WATER	DESCRIPTION OF SOILS	% RECOVERY AND REMARKS
			6"		SAND, 0-4", medium grain	
			12"			
			18"		SAND, 4"-30", black pieces of broken clay pipe	
			24"			
			30"			
			36"		SAND, 39"-48", black urban fill	
			42"			
			48"			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

BORING NO. _____

SHEET ___ OF ___

JOB NO.	CLIENT		PROJECT LOCATION	
1575	Franklin Plastics		Kearny, N.J.	
LOCATION OF BORING			ELEVATION AND DATUM	
PR-1				
DRILLING CONTRACTOR	DRILLER		INSPECTOR	
			Bill Moody	
DRILLING RIG TYPE	SIZE AND TYPE OF BIT		DATE STARTED	DATE COMPLETED
			6-12-90	6-12-90
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
hand auger			6"	

SAMPLES NO.	SAMPLES BLOWS	LITH TYPE	DEPTH FT.	WATER	DESCRIPTION OF SOILS	% RECOVERY AND REMARKS
			6"		SAND, 0-6", coarse with gravel	

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

BORING NO. ____

SHEET ___ OF ___

JOB NO.	CLIENT		PROJECT LOCATION	
1575	Franklin Plastics		Kearny, N.J.	
LOCATION OF BORING			ELEVATION AND DATUM	
PR-3				
DRILLING CONTRACTOR	DRILLER		INSPECTOR	
RECON			Bill Moody	
DRILLING RIG TYPE	SIZE AND TYPE OF BIT		DATE STARTED	DATE COMPLETED
			6-13-90	6-13-90
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
Hand auger			6"	

SAMPLES NO.	SAMPLES BLOWS	LITH TYPE	DEPTH FT.	WATER	DESCRIPTION OF SOILS	% RECOVERY AND REMARKS
			6"		SAND, 0-6", coarse with gravel bits of tile (1-2mm diameter)	

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

BORING NO. _____

SHEET ___ OF ___

JOB NO.	CLIENT		PROJECT LOCATION	
1575	Franklin Plastics		Kearny, N.J.	
LOCATION OF BORING			ELEVATION AND DATUM	
PR - 4				
DRILLING CONTRACTOR	DRILLER		INSPECTOR	
			Bill Moody	
DRILLING RIG TYPE	SIZE AND TYPE OF BIT		DATE STARTED	DATE COMPLETED
			6-13-90	6-13-90
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
Hand auger			6"	

SAMPLES NO.	SAMPLES BLOWS	LITH TYPE	DEPTH FT.	WATER	DESCRIPTION OF SOILS	% RECOVERY AND REMARKS
			6"		SAND, 0-6", coarse with gravel bits of tile (1-2mm diameter)	

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

BORING NO. _____

SHEET ___ OF ___

JOB NO.	CLIENT		PROJECT LOCATION	
1575	Franklin Plastics		Kearny, N.J.	
LOCATION OF BORING			ELEVATION AND DATUM	
AGT-1				
DRILLING CONTRACTOR	DRILLER		INSPECTOR	
RECON			Bill Moody	
DRILLING RIG TYPE	SIZE AND TYPE OF BIT		DATE STARTED	DATE COMPLETED
			6-12-90	6-12-90
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
Hand auger			30"	

SAMPLES NO.	SAMPLES BLOWS	LITH TYPE	DEPTH FT.	WATER	DESCRIPTION OF SOILS	% RECOVERY AND REMARKS
			6"		BASALTIC TRAPROCK, 0-24" (1" - 3" diameter)	
			12"			
			18"			
			24"		CINDRS, sand, 24" - 30"	
			30"			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

BORING NO. ____

SHEET ___ OF ___

JOB NO.	CLIENT		PROJECT LOCATION	
1575	Franklin Plastics		Kearny, N.J.	
LOCATION OF BORING			ELEVATION AND DATUM	
AGT-3, 17' east 34" south of NW corner of dike				
DRILLING CONTRACTOR		DRILLER	INSPECTOR	
RECON			Bill Moody	
DRILLING RIG TYPE		SIZE AND TYPE OF BIT	DATE STARTED	DATE COMPLETED
			6-12-90	6-12-90
SAMPLER TYPE		HAMMER WEIGHT / DROP	TOTAL DEPTH	WATER LEVEL
Hand auger			18"	

SAMPLES NO.	SAMPLES BLOWS	LITH TYPE	DEPTH FT.	WATER	DESCRIPTION OF SOILS	% RECOVERY AND REMARKS
			6"		BASALTIC ROCK, 0-18" (1"-3" diameter)	
			12"			
			18"			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

BORING NO. ____

SHEET ___ OF ___

JOB NO.	CLIENT		PROJECT LOCATION
1575	Franklin Plastics		Kearny, N.J.
LOCATION OF BORING			ELEVATION AND DATUM
AGT-4			
DRILLING CONTRACTOR	DRILLER		INSPECTOR
RECON			Bill Moody
DRILLING RIG TYPE	SIZE AND TYPE OF BIT		DATE STARTED / DATE COMPLETED
			6-12-90 / 6-12-90
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH / WATER LEVEL
Hand auger			24"

SAMPLES NO.	SAMPLES BLOWS	LITH TYPE	DEPTH FT.	WATER	DESCRIPTION OF SOILS	% RECOVERY AND REMARKS
			6"		BASALTIC CRUSHED STONE FILL 0-18" (1"-3" diameter)	
			12"			
			18"		CINDERS, 18"-24"	
			24"			

RECON SYSTEMS, INC.
THREE BRIDGES, NJ

BORING NO. _____

SHEET ___ OF ___

JOB NO.	CLIENT		PROJECT LOCATION	
1575	Franklin Plastics		Kearny, N.J.	
LOCATION OF BORING			ELEVATION AND DATUM	
AGT-5				
DRILLING CONTRACTOR	DRILLER		INSPECTOR	
RECON			Bill Moody	
DRILLING RIG TYPE	SIZE AND TYPE OF BIT		DATE STARTED	DATE COMPLETED
			6-12-90	6-12-90
SAMPLER TYPE	HAMMER WEIGHT	DROP	TOTAL DEPTH	WATER LEVEL
Hand auger			24"	

SAMPLES NO.	SAMPLES BLOWS	LITH TYPE	DEPTH FT.	WATER	DESCRIPTION OF SOILS	% RECOVERY AND REMARKS
			6"		BASALTIC CRUSHED STONE FILL 0-18" (1"-3" diameter)	
			12"			
			18"		SAND, 18"-20", medium	
			24"		CINDERS, 20"-24"	

APPENDIX IV

Health and Safety Plan

(To be submitted at a later date.)

APPENDIX V

Soil Analytical Reports and Quality Assurance/Quality Control Documentation

RECON SYSTEMS INC.
ROUTE 202N, P.O. BOX 460, THREE BRIDGES, N.J. 08887-0460
201-782-5900 FAX 201-782-0072
NEW ENGLAND 508-752-4217 PENNSYLVANIA 215-433-5511 CONNECTICUT 203-293-1212

ANALYSIS REPORT

July 26, 1990

TO: FRANKLIN PLASTIC Project Attn: William A. Moody
RECON Project No. 1575

Sample: Soil and blank water sampled 6/12/90 Kearny, New Jersey

RECON Sample No.	21125	21126	21134	21136
Sample ID	PR-1 0-6"	PR-2 0-6"	AGT-4 18-24"	Field Blank
Parameter				
Base Neutrals + 15 (EPA 8270B + 15)*	*	*	LT,+	-
Base Neutrals + 15 (EPA 625B + 15)*	-	-	-	ND

* = see attached Accutest report
ND = none detected
LT = any compounds found were less than the method detection limit
+ = compounds found were found in similar concentration in the laboratory blank

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

Submitted by:
Ellen M. Hall
Ellen M. Hall
Laboratory Service Coordinator

Approved by:
Patrick J. Mulrooney
Patrick J. Mulrooney
Vice President

EMH/mac
1575

New Jersey State Certified Water Laboratory
Certification No. 10196

ACCUTEST
2235 ROUTE 130, DAYTON, NJ 08810 • (201) 329-0200

RECON SYSTEMS, INC.
ROUTE 202 NORTH
P.O. BOX 460
THREE BRIDGES, NJ 08887

ATTN: DARYL STEPHEN

DATE: 07/19/90
JOB No: 903466
PROJECT No: 1575
SAMPLE RECEIVED: 06/13/90

SAMPLE SUMMARY

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E014830	06/12/90		WAM	SOIL - 21125, PR-1, 0"-6"
E014831	06/12/90		WAM	SOIL - 21126, PR-2, 0-6"
E014832	06/12/90		WAM	SOIL - 21134, AGT-4, 18-24"
E014833	06/12/90		WAM	WATER - 21136, FIELD BLANK

RECEIVED
JUL 20 1990

VINCENT J. PUGLIESE
VICE PRESIDENT

ACCUTEST
2235 ROUTE 130, BLDG. B • DAYTON N.J. 08810 • (201) 329-0200

LABORATORY DELIVERABLES

	DESCRIPTION	CHECK IF COMPLETE
I.	COVER PAGE, FORMAT, AND LABORATORY CERTIFICATION (INCLUDE CROSS REFERENCE TABLE OF FIELD I.D. # AND LABORATORY I.D. #)	X
II.	CHAIN OF CUSTODY	X
III.	SUMMARY SHEETS LISTING ANALYTICAL RESULTS INCLUDING QA DATA INFORMATION	X
IV.	LABORATORY CHRONICLE AND METHODOLOGY SUMMARY INCLUDING SAMPLING HOLDING TIME CHECK	X
V.	INITIAL CALIBRATION AND CONTINUING CALIBRATION	X
VI.	TUNE SUMMARY (MS)	X
VII.	BLANKS (METHOD, FIELD, TRIP)	X
VIII.	SURROGATE RECOVERY SUMMARY	X
IX.	CHROMATOGRAPHS LABELLED/COMPOUND IDENTIFICATION (GC)	N/A
X.	MINIMUM DETECTION LIMITS (LOWER THAN ACTION LEVEL IF CLEAN ZONE SAMPLE)	X
XI.	CONFORMANCE SUMMARY	X

MANAGER K. Baker DATE 7/19/90

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ANALYSIS REPORT FOR BASE NEUTRAL EXTRACTABLES BY GC/MS

CLIENT : RECON
LAB SAMPLE #: E014830
MATRIX : SOIL

METHOD : SW846 8270
ANALYSIS DATE: 06/30/90
DATA FILE : >D0625

	COMPOUND	RESULT (ug/kg)*	MDL (ug/kg)*	Q
1)	ACENAPHTHENE	ND	600	
2)	ACENAPHTHYLENE	ND	600	
3)	ANTHRACENE	68	600	J
4)	BENZIDENE	ND	3000	
5)	BENZO(A)ANTHRACENE	220	600	J
6)	BENZO(A)PYRENE	150	600	J
7)	BENZO(B)FLUORANTHENE	120	600	J
8)	BENZO(K)FLUORANTHENE	120	600	J
9)	BENZO(G,H,I)PERYLENE	ND	600	
10)	BIS(2-CHLOROETHOXY)METHANE	ND	600	
11)	BIS(2-CHLOROETHYL)ETHER	ND	600	
12)	BIS(2-CHLOROISOPROPYL)ETHER	ND	600	
13)	BIS(2-ETHYLHEXYL)PHTHALATE	160	600	J
14)	4-BROMOPHENYL PHENYL ETHER	ND	600	
15)	BUTYL BENZYL PHTHALATE	ND	600	
16)	2-CHLORONAPHTHALENE	ND	600	
17)	4-CHLOROPHENYL PHENYL ETHER	ND	600	
18)	CHRYSENE	260	600	J
19)	DIBENZO(A,H)ANTHRACENE	ND	600	
20)	1,2-DICHLOROBENZENE	ND	600	
21)	1,3-DICHLOROBENZENE	ND	600	
22)	1,4-DICHLOROBENZENE	ND	600	
23)	3,3'-DICHLOROBENZIDENE	ND	1200	
24)	DIETHYL PHTHALATE	ND	600	
25)	DIMETHYL PHTHALATE	ND	600	
26)	DI-N-BUTYL PHTHALATE	ND	600	
27)	2,4-DINITROTOLUENE	ND	600	
28)	2,6-DINITROTOLUENE	ND	600	
29)	DI-N-OCTYL PHTHALATE	ND	600	
30)	1,2-DIPHENYLHYDRAZINE	ND	600	
31)	FLUORANTHENE	520	600	J
32)	FLUORENE	ND	600	
33)	HEXACHLOROBENZENE	ND	600	
34)	HEXACHLOROBUTADIENE	ND	600	
35)	HEXACHLOROCYCLOPENTADIENE	ND	600	
36)	HEXACHLOROETHANE	ND	600	
37)	INDENO(1,2,3-CD)PYRENE	ND	600	
38)	ISOPHORONE	ND	600	
39)	NAPHTHALENE	ND	600	
40)	NITROBENZENE	ND	600	
41)	N-NITROSODIMETHYLAMINE	ND	600	
42)	N-NITROSODI-N-PROPYLAMINE	ND	600	
43)	N-NITROSODIPHENYLAMINE	ND	600	
44)	PHENANTHRENE	290	600	J
45)	PYRENE	310	600	J
46)	1,2,4-TRICHLOROBENZENE	ND	600	

ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT

* = REPORTED ON A DRY WEIGHT BASIS

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
B =INDICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE

RECON SYSTEMS INC.
ROUTE 202N, P.O. BOX 460, THREE BRIDGES, N.J. 08887-0460
201-782-5900 FAX 201-782-0072
NEW ENGLAND 508-752-4217 PENNSYLVANIA 215-433-5511 CONNECTICUT 203-293-1212

ANALYSIS REPORT

July 26, 1990

TO: FRANKLIN PLASTICS Project

Attn: William A. Moody
RECON Project No. 1575

Sample: Soil and blank water sampled 6/13/90, Kearny, New Jersey

RECON Sample No.	21139	21140	21141	21142	21143	21144
Sample ID	PR-3 0-6"	PR-4 0-6"	Background 0-6"	Background 6-12"	Background 42-48"	Field Blank
Parameter						
Base Neutrals + 15 (EPA 82708 + 15)*	*	*	*	*	LT, +	-
Base Neutrals + 15 (EPA 625B+15)*	-	-	-	-	-	ND

* = see attached Accutest report
ND = none detected
LT = any compounds found were less than the method detection limit
\+ = compounds found were found in similar concentrations in the laboratory blank.

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

Submitted by: Ellen M. Hall

Ellen M. Hall
Laboratory Service Coordinator

Approved by: Patrick J. Mulrooney

Patrick J. Mulrooney
Vice President

EMH/mac
1575.1

New Jersey State Certified Water Laboratory
Certification No. 10196

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JUL 16

RECON SYSTEMS, INC.
ROUTE 202 NORTH
P.O. BOX 460
THREE BRIDGES, NJ 08887

DATE: 07/13/90
JOB No: 903507
PROJECT No: 1575
SAMPLE RECEIVED: 06/15/90

ATTN: DARYL STEPHEN

SAMPLE SUMMARY

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E014991	06/13/90	16:20	WAM	SOIL - 21139, PR-3, 0-6"
E014992	06/13/90		WAM	SOIL - 21140, PR-4, 0-6"
E014993	06/13/90	16:00	WAM	SOIL - 21141, BACKGROUND, 0-6"
E014994	06/13/90	16:08	WAM	SOIL - 21142, BACKGROUND, 6-12"
E014995	06/13/90	16:30	WAM	SOIL - 21143, BACKGROUND, 42-48"
E014996	06/13/90		WAM	WATER - 21144, FIELD BLANK

VINCENT J. PUGLIESE
VICE PRESIDENT

ACCUTEST
2235 ROUTE 130 BLDG B • DAYTON N J 08810 • (201) 329-0200

LABORATORY DELIVERABLES

	DESCRIPTION	CHECK IF COMPLETE
I.	COVER PAGE, FORMAT, AND LABORATORY CERTIFICATION (INCLUDE CROSS REFERENCE TABLE OF FIELD I.D. # AND LABORATORY I.D. #)	X
II.	CHAIN OF CUSTODY	X
III.	SUMMARY SHEETS LISTING ANALYTICAL RESULTS INCLUDING QA DATA INFORMATION	X
IV.	LABORATORY CHRONICLE AND METHODOLOGY SUMMARY INCLUDING SAMPLING HOLDING TIME CHECK	X
V.	INITIAL CALIBRATION AND CONTINUING CALIBRATION	X
VI.	TUNE SUMMARY (MS)	X
VII.	BLANKS (METHOD, FIELD, TRIP)	X
VIII.	SURROGATE RECOVERY SUMMARY	X
IX.	CHROMATOGRAPHS LABELLED/COMPOUND IDENTIFICATION (GC)	N/A
X.	MINIMUM DETECTION LIMITS (LOWER THAN ACTION LEVEL IF CLEAN ZONE SAMPLE)	X
XI.	CONFORMANCE SUMMARY	X

MANAGER R. Baker DATE 7/12/90

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ANALYSIS REPORT FOR BASE NEUTRAL EXTRACTABLES BY GC/MS

CLIENT : RECON
LAB SAMPLE #: E014991
MATRIX : SOIL

METHOD : SW846 8270
ANALYSIS DATE: 06/30/90
DATA FILE : >D0629
>D0691

	COMPOUND	RESULT (ug/kg)*	MDL (ug/kg)*	Q
1)	ACENAPHTHENE	ND	3300	
2)	ACENAPHTHYLENE	ND	3300	
3)	ANTHRACENE	ND	3300	
4)	BENZIDENE	ND	17000	
5)	BENZO(A)ANTHRACENE	ND	3300	
6)	BENZO(A)PYRENE	ND	3300	
7)	BENZO(B)FLUORANTHENE	ND	3300	
8)	BENZO(K)FLUORANTHENE	ND	3300	
9)	BENZO(G,H,I)PERYLENE	ND	3300	
10)	BIS(2-CHLOROETHOXY)METHANE	ND	3300	
11)	BIS(2-CHLOROETHYL)ETHER	ND	3300	
12)	BIS(2-CHLOROISOPROPYL)ETHER	ND	3300	
13)	BIS(2-ETHYLHEXYL)PHTHALATE	2300000	330000	
14)	4-BROMOPHENYL PHENYL ETHER	ND	3300	
15)	BUTYL BENZYL PHTHALATE	2200000	330000	
16)	2-CHLORONAPHTHALENE	ND	3300	
17)	4-CHLOROPHENYL PHENYL ETHER	ND	3300	
18)	CHRYSENE	ND	3300	
19)	DIBENZO(A,H)ANTHRACENE	ND	3300	
20)	1,2-DICHLOROBENZENE	ND	3300	
21)	1,3-DICHLOROBENZENE	ND	3300	
22)	1,4-DICHLOROBENZENE	ND	3300	
23)	3,3'-DICHLOROBENZIDENE	ND	6700	
24)	DIETHYL PHTHALATE	ND	3300	
25)	DIMETHYL PHTHALATE	ND	3300	
26)	DI-N-BUTYL PHTHALATE	18000	3300	
27)	2,4-DINITROTOLUENE	ND	3300	
28)	2,6-DINITROTOLUENE	ND	3300	
29)	DI-N-OCTYL PHTHALATE	ND	3300	
30)	1,2-DIPHENYLHYDRAZINE	ND	3300	
31)	FLUORANTHENE	ND	3300	
32)	FLUORENE	ND	3300	
33)	HEXACHLOROBENZENE	ND	3300	
34)	HEXACHLOROBUTADIENE	ND	3300	
35)	HEXACHLOROCYCLOPENTADIENE	ND	3300	
36)	HEXACHLOROETHANE	ND	3300	
37)	INDENO(1,2,3-CD)PYRENE	ND	3300	
38)	ISOPHORONE	ND	3300	
39)	NAPHTHALENE	ND	3300	
40)	NITROBENZENE	ND	3300	
41)	N-NITROSODIMETHYLAMINE	ND	3300	
42)	N-NITROSODI-N-PROPYLAMINE	ND	3300	
43)	N-NITROSODIPHENYLAMINE	ND	3300	
44)	PHENANTHRENE	ND	3300	
45)	PYRENE	ND	3300	
46)	1,2,4-TRICHLOROBENZENE	ND	3300	

ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT

* = REPORTED ON A DRY WEIGHT BASIS

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
B =INDICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE

RECON SYSTEMS INC.
ROUTE 202N, P.O. BOX 460, THREE BRIDGES, N.J. 08887-0460
201-782-5900 FAX 201-782-0072
NEW ENGLAND 508-752-4217 PENNSYLVANIA 215-433-5511 CONNECTICUT 203-293-1212

July 26, 1990

ANALYTICAL DATA REPORT

TIER II QC PACKAGE

CLIENT:	FRANKLIN PLASTICS
LOCATION:	Kearny, NJ
RECON PROJECT NO:	1575
RECON SAMPLE NOS:	21125-21136, 21139-21144
SAMPLES RECEIVED (DATE):	June 13 & 14, 1990
RECON PROJECT MANAGER:	W. A. Moody

Patrick J. Mulrooney
Vice President

New Jersey State Certified Water Laboratory
Certification No. 10196

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SECTION I

SAMPLE DATA

A. SAMPLE INVENTORY

RECON SAMPLE NO.	SAMPLING LOCATION	DATE OF COLLECTION	ANALYSES REQUESTED
21125	PR-1 0-6"	6/12/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21126	PR-2 0-6"	6/12/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21127	B-19 12"-16"	6/12/90	Total Petroleum Hydrocarbons
21128	B-20 22"-26"	6/12/90	Total Petroleum Hydrocarbons
21129	B-21 14"-20"	6/12/90	Total Petroleum Hydrocarbons
21130	B-22 12"-18"	6/12/90	Total Petroleum Hydrocarbons
21131	AGT-1 24-30"	6/12/90	Total Petroleum Hydrocarbons
21132	AGT-2 18-24"	6/12/90	Total Petroleum Hydrocarbons
21133	AGT-3 18-24"	6/12/90	Total Petroleum Hydrocarbons
21134	AGT-4 18-24"	6/12/90	Total Petroleum Hydrocarbons
21135	AGT-5 18-24"	6/12/90	Total Petroleum Hydrocarbons
21136	Field Blank	6/12/90	Total Petroleum Hydrocarbons Antimony, Cadmium, Chromium, Copper, Lead, Zinc

RECON SYSTEMS, INC.
Three Bridges, NJ 08887

A. SAMPLE INVENTORY

RECON SAMPLE NO.	SAMPLING LOCATION	DATE OF COLLECTION	ANALYSES REQUESTED
21139	PR-3 0-6"	6/13/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21140	PR-4 0-6"	6/13/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21141	Background 0-6"	6/13/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21142	Background 6"-12"	6/13/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21143	Background 42-48"	6/13/90	Total Petroleum Hydrocarbons, Antimony, Cadmium, Chromium, Copper, Lead, Zinc
21144	Field Blank	6/13/90	Total Petroleum Hydrocarbons Antimony, Cadmium, Chromium, Copper, Lead, Zinc

EMH

B. ANALYTICAL RESULTS

B. ANALYTICAL RESULTS

Total Petroleum Hydrocarbons Analysis

Client: FRANKLIN PLASTICS **RECON Project No. 1575**

SAMPLE: Water, sampled 6/12/90 & 6/13/90 at Kearny, NJ

Method: via EPA Method 418.1

RECON Sample No.	Sample Description (Water)	Sample Date	Petroleum Hydrocarbons (mg/l)
21136	Field Blank	6/12	ND
21144	Field Blank	6/13	ND

Minimum Detection Limit (Water) 0.5

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

New Jersey State Certified Water Laboratory
Certification No. 10196

RECON SYSTEMS, INC.
Three Bridges, NJ 08887

EMH

B. ANALYTICAL RESULTS

Total Petroleum Hydrocarbons Analysis

Client: FRANKLIN PLASTICS **RECON Project No. 1575**

SAMPLE: Soil, sampled 6/12 & 13/90 in Kearny, NJ

Method: via EPA Method 418.1 (Modified)

RECON Sample No.	Sample Description (Soil)	Sample Date	Petroleum Hydrocarbons (mg/kg, dry weight basis)
21125	PR-1 0-6"	6/12	574
21126	PR-2 0-6"	6/12	4,730
21127	B-19 12-16"	6/12	2,490
21128	B-20 22-26"	6/12	4,260
21128	MATRIX DUPLICATE	6/12	3,760
21129	B-21 14-20"	6/12	3,120
21130	B-22 12-18"	6/12	244
21131	AGT-1 24-30"	6/12	281
21132	AGT-2 18-24"	6/12	ND
21133	AGT-3 18-24"	6/12	ND
21134	AGT-4 18-24"	6/12	ND
21135	AGT-5 18-24"	6/12	ND
21139	PR-3 0-6"	6/13	1,690
21140	PR-4 0-6"	6/13	919
21141	BACKGROUND 0-6"	6/13	190
21142	BACKGROUND 6-12"	6/13	426
21143	BACKGROUND 42-48"	6/13	93
Minimum Detection Limit (Soil)			25

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

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RECON SYSTEMS, INC.
Three Bridges, NJ 08887

EMH

B. ANALYTICAL RESULTS

Metal Analysis

CLIENT: FRANKLIN PLASTICS **RECON Project No. 1575**

Sample: Water, sampled 6/12/90 and 6/13/90 at Kearny, NJ

Sample ID RECON Sample No.	EPA Method #	Field Blank 21136	Field Blank 21144	Minimum Detection Limit
Sample Date		6/12	6/13	
Parameter		(mg/l)		
Antimony	204	ND	ND	0.05
Cadmium	213	ND	ND	0.003
Chromium	218	ND	ND	0.02
Copper	220	<0.01	<0.01	0.01
Lead	239	ND	ND	0.03
Zinc	289	0.006	0.009	0.002

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

New Jersey State Certified Water Laboratory
Certification No. 10196

RECON SYSTEMS, INC.
Three Bridges, NJ 08887

BMH

B. ANALYTICAL RESULTS

Metal Analysis

CLIENT: FRANKLIN PLASTICS **RECON Project No. 1575**

Sample: Soil, sampled 6/12/90 and 6/13/90 at Kearny, NJ

Sample Date:		6/12	6/12	6/13	6/13	
Sample ID.						
RECON Sample No.	EPA Method #	PR-1 0-6" 21125	PR-2 0-6" 21126	PR-3 0-6" 21139	PR-4 0-6" 21140	Minimum Detection Limit
Parameter	(mg/kg, dry weight basis)					
Antimony	7040	<1.7	16,200	2.9	<1.7	1.7
Cadmium	7130	0.58	4.75	8.49	1.68	0.04
Chromium	7190	26.7	97.3	54.7	44.8	0.3
Copper	7210	49.2	80.6	53.0	85.6	0.3
Lead	7420	250	7.1	382	143	0.8
Zinc	7950	223	201	133	240	0.08

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

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Certification No. 10196

RECON SYSTEMS, INC.
Three Bridges, NJ 08887

ENH

LYTICAL RESULTS

al Analysis

RECON Project No. 1575

/90 at Kearny, NJ

	BACK-GROUND 42-48" 21143	Minimum Detection Limit
g, dry weight basis)		
	ND	1.7
	0.54	0.04
	16.0	0.3
	101	0.3
	120	0.8
	310	0.08

l be retained for sixty days from the
otherwise directed.

Certified Water Laboratory
ication No. 10196

N SYSTEMS, INC.
Bridges, NJ 08887

CAL RESULTS

nalysis

RECON Project No. 1575

t Kearny, NJ

rix 1. 42	Matrix Trip. 21142	Matrix Quad. 21142	Minimum Detection Limit
g, dry weight basis)			
.7	-	-	1.7
.09	-	-	0.04
.8	25.9	21.9	0.3
.9	-	-	0.3
—	78.8	91.7	0.8
—	-	-	0.08

retained for sixty days from the
ise directed.

ied Water Laboratory
No. 10196

TEMS, INC.
, NJ 08887

APPENDIX VI

Groundwater Analytical Reports and Quality Assurance/Quality Control Documentation

RECON SYSTEMS INC.
ROUTE 202N, P.O. BOX 460, THREE BRIDGES, N.J. 08887-0460
201-782-5900 FAX 201-782-0072
NEW ENGLAND 508-752-4217 PENNSYLVANIA 215-433-5511 CONNECTICUT 203-293-1212

ANALYSIS REPORT

August 13, 1990

TO: FRANKLIN PLASTIC Project Attn: William A. Moody
RECON Project No. 1575

Sample: Water sampled 7/2/90 Kearny, New Jersey

RECON Sample No.	21575	21576	21577	21578
Sample ID	MW-1	MW-2R	MW-3	MW-4R
Parameter (Method)				
Volatile organics + 15 (EPA 624 + 15)*	*	*	*	LT
Base Neutrals + 15 (EPA 625B + 15)*	*	ND	*	*

* = see attached Accutest report
ND = none detected
LT = compounds found were in concentrations less than the method detection limit

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

Submitted by:

Ellen M. Hall
Laboratory Service Coordinator

Approved by:

Patrick J. Mulrooney
Vice President

EMH/cp (QA/QC#2)

New Jersey State Certified Water Laboratory
Certification No. 10196

RECON SYSTEMS INC.
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201-782-5900 FAX 201-782-0072
NEW ENGLAND 508-752-4217 PENNSYLVANIA 215-433-5511 CONNECTICUT 203-293-1212

ANALYSIS REPORT

August 13, 1990

TO: FRANKLIN PLASTIC Project

Attn: William A. Moody
RECON Project No. 1575

Sample: Water sampled 7/2/90 Kearny, New Jersey

RECON Sample No.	21579	21580	21581	21582
Sample ID	MW-5	MW-6	MW-7	DW-3
Parameter (Method)				
Volatile organics + 15 (EPA 624 + 15)*	*	LT	*	LT
Base Neutrals + 15 (EPA 625B + 15)*	*	LT	*	*

* = see attached Accutest report

LT = compounds found were in concentrations less than the method detection limit

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

Submitted by:

Ellen M. Hall

Ellen M. Hall
Laboratory Service Coordinator

Approved by:

Patrick J. Mulrooney

Patrick J. Mulrooney
Vice President

EMH/cp
(QA.QC#2)

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201-782-5900 FAX 201-782-0072
NEW ENGLAND 508-752-4217 PENNSYLVANIA 215-433-5511 CONNECTICUT 203-293-1212

ANALYSIS REPORT

August 13, 1990

TO: FRANKLIN PLASTIC Project

Attn: William A. Moody
RECON Project No. 1575

Sample: Water sampled 7/2/90 Kearny, New Jersey

RECON Sample No.	21583	21584	21585	21586
Sample ID	DW-4	DW-5	Field Blank	Trip Blank
Parameter (Method)				
Volatile organics + 15 (EPA 624 + 15)*	ND	*	*	*
Base Neutrals + 15 (EPA 625B + 15)*	*	*	LT	---

* = see attached Accutest report
ND = none detected
LT = compounds found were in concentrations less than the method detection limit

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

Submitted by:

Ellen M. Hall

Ellen M. Hall
Laboratory Service Coordinator

Approved by:

Patrick J. Mulrooney

Patrick J. Mulrooney
Vice President

EMH/cp
(QA.QC#2)

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Certification No. 10196

ACCUTEST®
2235 ROUTE 130, DAYTON, NJ 08810 • (201) 329-0200

RECON SYSTEMS, INC.
ROUTE 202 NORTH
P.O. BOX 460
THREE BRIDGES, NJ 08887

ATTN: DARYL STEPHEN

DATE: 08/09/90
JOB No: 903952
PROJECT No: 1575
SAMPLE RECEIVED: 07/03/90

SAMPLE SUMMARY

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E017020	07/02/90		MDW	GROUND WATER - 21575, MW-1
E017021	07/02/90		MDW	GROUND WATER - 21576, MW-2R
E017022	07/02/90		MDW	GROUND WATER - 21577, MW-3
E017023	07/02/90		MDW	GROUND WATER - 21578, MW-4R
E017024	07/02/90		MDW	GROUND WATER - 21579, MW-5
E017025	07/02/90		MDW	GROUND WATER - 21580, MW-6

VINCENT J. PUGLIESE
VICE PRESIDENT

ACCUTEST
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RECON SYSTEMS, INC.
ROUTE 202 NORTH
P.O. BOX 460
THREE BRIDGES, NJ 08887

ATTN: DARYL STEPHEN

DATE: 08/09/90
JOB No: 903952
PROJECT No: 1575
SAMPLE RECEIVED: 07/03/90

SAMPLE SUMMARY

SAMPLE No	COLLECTED DATE	TIME	BY	POINT OF COLLECTION
E017026	07/02/90		MDW	GROUND WATER - 21581, MW-7
E017027	07/02/90		MDW	GROUND WATER - 21582, DW-3
E017028	07/02/90		MDW	GROUND WATER - 21583, DW-4
E017029	07/02/90		MDW	GROUND WATER - 21584, DW-5
E017030	07/02/90		MDW	WATER - 21585, FIELD BLANK
E017031	07/02/90	09:00	MDW	WATER - 21586, TRIP BLANK

VINCENT J. PUGLIESE
VICE PRESIDENT

2

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LABORATORY DELIVERABLES

	DESCRIPTION	CHECK IF COMPLETE
I.	COVER PAGE, FORMAT, AND LABORATORY CERTIFICATION (INCLUDE CROSS REFERENCE TABLE OF FIELD I.D. # AND LABORATORY I.D. #)	X
II.	CHAIN OF CUSTODY	X
III.	SUMMARY SHEETS LISTING ANALYTICAL RESULTS INCLUDING QA DATA INFORMATION	X
IV.	LABORATORY CHRONICLE AND METHODOLOGY SUMMARY INCLUDING SAMPLING HOLDING TIME CHECK	X
V.	INITIAL CALIBRATION AND CONTINUING CALIBRATION	X
VI.	TUNE SUMMARY (MS)	X
VII.	BLANKS (METHOD, FIELD, TRIP)	X
VIII.	SURROGATE RECOVERY SUMMARY	X
IX.	CHROMATOGRAPHS LABELLED/COMPOUND IDENTIFICATION (GC)	N/A
X.	MINIMUM DETECTION LIMITS (LOWER THAN ACTION LEVEL IF CLEAN ZONE SAMPLE)	X
XI.	CONFORMANCE SUMMARY	X

MANAGER K. Baker DATE 8/10/90

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ANALYSIS REPORT FOR VOLATILE ORGANICS BY GC/MS

CLIENT : RECON
LAB SAMPLE #: E017020
MATRIX : WATER

METHOD : EPA 624
ANALYSIS DATE: 07/10/90
DATA FILE : >G6694

	COMPOUND	RESULT (ug/L)	MDL (ug/L)	Q
1)	ACROLEIN	ND	100	
2)	ACRYLONITRILE	ND	100	
3)	BENZENE	ND	5.0	
4)	BROMOFORM	ND	5.0	
5)	BROMODICHLOROMETHANE	ND	5.0	
6)	BROMOMETHANE	ND	10	
7)	CARBON TETRACHLORIDE	ND	5.0	
8)	CHLOROBENZENE	ND	5.0	
9)	CHLOROETHANE	ND	10	
10)	2-CHLOROETHYL VINYL ETHER	ND	10	
11)	CHLOROFORM	ND	5.0	
12)	CHLOROMETHANE	ND	10	
13)	cis-1,3-DICHLOROPROPENE	ND	5.0	
14)	DIBROMOCHLOROMETHANE	ND	5.0	
15)	1,2-DICHLOROBENZENE	ND	5.0	
16)	1,3-DICHLOROBENZENE	ND	5.0	
17)	1,4-DICHLOROBENZENE	ND	5.0	
18)	1,1-DICHLOROETHANE	ND	5.0	
19)	1,2-DICHLOROETHANE	ND	5.0	
20)	1,1-DICHLOROETHYLENE	ND	5.0	
21)	trans-1,2-DICHLOROETHYLENE	ND	5.0	
22)	trans-1,3-DICHLOROPROPENE	ND	5.0	
23)	1,2-DICHLOROPROPANE	ND	5.0	
24)	ETHYLBENZENE	ND	5.0	
25)	METHYLENE CHLORIDE	ND	5.0	
26)	1,1,2,2-TETRACHLOROETHANE	ND	5.0	
27)	TETRACHLOROETHYLENE	ND	5.0	
28)	TOLUENE	ND	5.0	
29)	1,1,1-TRICHLOROETHANE	ND	5.0	
30)	1,1,2-TRICHLOROETHANE	ND	5.0	
31)	TRICHLOROETHYLENE	ND	5.0	
32)	TRICHLOROFLUOROMETHANE	ND	5.0	
33)	VINYL CHLORIDE	ND	10	
34)	m-XYLENE	ND	5.0	
35)	p,o-XYLENE	ND	5.0	

ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
B =INDICATES.COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE

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ANALYSIS REPORT FOR BASE NEUTRAL EXTRACTABLES BY GC/MS

CLIENT : RECON
LAB SAMPLE #: E017020
MATRIX : WATER

METHOD : EPA 625
ANALYSIS DATE: 08/01/90
DATA FILE : >C5511

	COMPOUND	RESULT (ug/L)	MDL (ug/L)	Q
1)	ACENAPHTHENE	ND	52	
2)	ACENAPHTHYLENE	ND	52	
3)	ANTHRACENE	ND	52	
4)	BENZIDENE	ND	260	
5)	BENZO(A)ANTHRACENE	ND	52	
6)	BENZO(A)PYRENE	ND	52	
7)	BENZO(B)FLUORANTHENE	ND	52	
8)	BENZO(K)FLUORANTHENE	ND	52	
9)	BENZO(G,H,I)PERYLENE	ND	52	
10)	BIS(2-CHLOROETHOXY)METHANE	ND	52	
11)	BIS(2-CHLOROETHYL)ETHER	ND	52	
12)	BIS(2-CHLOROISOPROPYL)ETHER	ND	52	
13)	BIS(2-ETHYLHEXYL)PHTHALATE	ND	52	
14)	4-BROMOPHENYL PHENYL ETHER	ND	52	
15)	BUTYL BENZYL PHTHALATE	ND	52	
16)	2-CHLORONAPHTHALENE	ND	52	
17)	4-CHLOROPHENYL PHENYL ETHER	ND	52	
18)	CHRYSENE	ND	52	
19)	DIBENZO(A,H)ANTHRACENE	ND	52	
20)	1,2-DICHLOROBENZENE	ND	52	
21)	1,3-DICHLOROBENZENE	ND	52	
22)	1,4-DICHLOROBENZENE	ND	52	
23)	3,3'-DICHLOROBENZIDENE	ND	100	
24)	DIETHYL PHTHALATE	ND	52	
25)	DIMETHYL PHTHALATE	ND	52	
26)	DI-N-BUTYL PHTHALATE	ND	52	
27)	2,4-DINITROTOLUENE	ND	52	
28)	2,6-DINITROTOLUENE	ND	52	
29)	DI-N-OCTYL PHTHALATE	ND	52	
30)	1,2-DIPHENYLHYDRAZINE	ND	52	
31)	FLUORANTHENE	ND	52	
32)	FLUORENE	ND	52	
33)	HEXACHLOROBENZENE	ND	52	
34)	HEXACHLOROBUTADIENE	ND	52	
35)	HEXACHLOROCYCLOPENTADIENE	ND	52	
36)	HEXACHLOROETHANE	ND	52	
37)	INDENO(1,2,3-CD)PYRENE	ND	52	
38)	ISOPHORONE	ND	52	
39)	NAPHTHALENE	ND	52	
40)	NITROBENZENE	ND	52	
41)	N-NITROSODIMETHYLAMINE	ND	52	
42)	N-NITROSODI-N-PROPYLAMINE	ND	52	
43)	N-NITROSODIPHENYLAMINE	ND	52	
44)	PHENANTHRENE	6.7	52	J
45)	PYRENE	ND	52	
46)	1,2,4-TRICHLOROBENZENE	ND	52	

ND = NOT DETECTED
MDL= METHOD DETECTION LIMIT

QUALIFIERS (Q)

J =INDICATES AN ESTIMATED VALUE BELOW MDL
B =INDICATES COMPOUND FOUND IN THE ASSOCIATED BLANK AS WELL AS IN SAMPLE

RECON SYSTEMS INC.
ROUTE 202N, P.O. BOX 460, THREE BRIDGES, N.J. 08887-0460
201-782-5900 FAX 201-782-0072
NEW ENGLAND 508-752-4217 PENNSYLVANIA 215-433-5511 CONNECTICUT 203-293-1212

August 13, 1990

ANALYTICAL DATA REPORT

TIER II QC PACKAGE

CLIENT:	FRANKLIN PLASTICS
LOCATION:	Kearny, New Jersey
RECON PROJECT NO:	1575
RECON SAMPLE NOS:	21575-21585
SAMPLES RECEIVED (DATE):	July 3, 1990
RECON PROJECT MANAGER:	W. A. Moody

Patrick J. Mulrooney

Patrick J. Mulrooney
Vice President

New Jersey State Certified Water Laboratory
Certification No. 10196

21575-85 (XXI)

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SECTION I

SAMPLE DATA

RECON SYSTEMS, INC.
Three Bridges, NJ 08887

A. SAMPLE INVENTORY

RECON SAMPLE NO.	SAMPLING LOCATION	DATE OF COLLECTION	ANALYSES REQUESTED
21575	MW-1	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21576	MW-2R	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21577	MW-3	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21578	MW-4R	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21579	MW-5	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21580	MW-6	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21581	MW-7	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21582	DW-3	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21583	DW-4	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals
21584	DW-5	7/2/90	Total Petroleum Hydrocarbons, pH, Total Dissolved Solids, PP Metals

BNH

A. SAMPLE INVENTORY

RECON SAMPLE NO.	SAMPLING LOCATION	DATE OF COLLECTION	ANALYSES REQUESTED
21585	Field Blank	7/2/90	Total Petroleum Hydrocarbons, PP Metals

B. ANALYTICAL RESULTS

RECON SYSTEMS, INC.
Three Bridges, NJ 08887

B. ANALYTICAL RESULTS

Total Petroleum Hydrocarbons Analysis

Client: FRANKLIN PLASTICS **RECON Project No. 1575**

SAMPLE: Water, sampled 7/2/90 at Kearny, NJ

Method: via EPA Method 418.1

RECON Sample No.	Sample Description (Water)	Petroleum Hydrocarbons (mg/l)
21575	MW-1	8.6
21576	MW-2R	1.9
21577	MW-3	2.0
21578	MW-4R	10.8
21579	MW-5	1.9
21580	MW-6	<0.5
21581	MW-7	0.7
21582	DW-3	1.9
21583	DW-4	2.2
21583	Matrix Duplicate	2.2
21584	DW-5	0.9
21585	Field Blank	<0.5
	Minimum Detection Limit (Water)	0.5

Samples from this project will be retained for sixty days from the date of this report unless otherwise directed.

New Jersey State Certified Water Laboratory
Certification No. 10196

RECON SYSTEMS, INC.
Three Bridges, NJ 08887

FMH

B. ANALYTICAL RESULTS

Metal Analysis

CLIENT: FRANKLIN PLASTICS **RECON Project No. 1575**

Sample: Water, sampled 7/02/90 in Kearny, NJ

Sample ID RECON Sample No.	EPA Method #	MW-1 21575	MATRIX DUPL. 21575	MW-2R 21576	MW-3 21577	Minimum Detection Limit
Parameter		(mg/l)				
Antimony	204	ND	ND	ND	ND	0.05
Arsenic	206	0.033	0.025	<0.007	<0.007	0.007
Beryllium	210	ND	ND	ND	<0.003	0.003
Cadmium	213	<0.003	<0.003	<0.003	<0.003	0.003
Chromium	218	<0.02	<0.02	ND	ND	0.02
Copper	220	<0.01	<0.01	ND	ND	0.01
Lead	239	ND	ND	ND	ND	0.03
Mercury	245	ND	ND	ND	ND	0.001
Nickel	249	<0.06	<0.06	ND	ND	0.06
Selenium	270	ND	ND	ND	ND	0.001
Silver	272	ND	ND	ND	ND	0.008
Thallium	279	ND	ND	<0.04	<0.04	0.04
Zinc	289	0.025	0.024	0.019	0.005	0.003

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

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Certification No. 10196

RECON SYSTEMS, INC.
Three Bridges, NJ 08887

EMH

B. ANALYTICAL RESULTS

Metal Analysis

CLIENT: FRANKLIN PLASTICS **RECON Project No. 1575**

Sample: Water, sampled 7/02/90 in Kearny, NJ

Sample ID RECON Sample No.	EPA Method #	MW-4R 21578	MW-5 21579	MW-6 21580	MW-7 21581	Minimum Detection Limit
Parameter		(mg/l)				
Antimony	7040	ND	ND	ND	ND	0.05
Arsenic	7061	0.010	0.012	<0.007	0.044	0.007
Beryllium	7090	ND	ND	ND	<0.003	0.003
Cadmium	7130	<0.003	<0.003	0.005	0.008	0.003
Chromium	7190	<0.02	ND	ND	ND	0.02
Copper	7210	<0.01	ND	ND	0.18	0.01
Lead	7420	ND	ND	ND	0.08	0.03
Mercury	7470	0.003	ND	ND	<0.001	0.001
Nickel	7520	ND	ND	ND	ND	0.06
Selenium	7741	ND	ND	ND	ND	0.001
Silver	7760	ND	ND	<0.008	ND	0.008
Thallium	7840	<0.04	<0.04	<0.04	ND	0.04
Zinc	7950	0.019	0.039	0.071	0.103	0.003

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RECON SYSTEMS, INC.
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21575-85 (XXI)

B. ANALYTICAL RESULTS

Metal Analysis

CLIENT: FRANKLIN PLASTICS **RECON Project No.** 1575

Sample: Water, sampled 7/02/90 in Kearny, NJ

Sample ID RECON Sample No.	EPA Method #	DW-3 21582	DW-4 21583	DW-5 21584	FIELD BLANK 21585	Minimum Detection Limit
Parameter		(mg/l)				
Antimony	7040	<0.05	<0.05	<0.05	<0.05	0.05
Arsenic	7061	<0.007	<0.007	ND	ND	0.007
Beryllium	7090	<0.003	<0.003	<0.003	<0.003	0.003
Cadmium	7130	<0.003	<0.003	<0.003	<0.003	0.003
Chromium	7190	ND	ND	ND	<0.02	0.02
Copper	7210	<0.01	<0.01	<0.01	ND	0.01
Lead	7420	ND	ND	ND	ND	0.03
Mercury	7470	ND	ND	ND	ND	0.001
Nickel	7520	<0.06	<0.06	<0.06	ND	0.06
Selenium	7741	ND	ND	ND	ND	0.001
Silver	7760	<0.008	<0.008	<0.008	ND	0.008
Thallium	7840	0.06	0.07	0.06	ND	0.04
Zinc	7950	0.008	0.013	0.013	0.010	0.003

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

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21575-85 (XXI)

B. ANALYTICAL RESULTS

Inorganic Analysis

CLIENT: FRANKLIN PLASTICS **RECON Project No. 1575**

Sample: Water, sampled 7/02/90 in Kearny, NJ

Sample ID.	MW-1	MW-2R	MW-3	MW-4R
RECON Sample No.	21575	21576	21577	21578
Parameter				
pH (su)	6.45	6.59	6.92	6.21
	mg/L			
Total Dissolved Solids	275	440	194	393

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B. ANALYTICAL RESULTS

Inorganic Analysis

CLIENT: FRANKLIN PLASTICS **RECON Project No. 1575**

Sample: Water, sampled 7/02/90 in Kearny, NJ

Sample ID.	MW-5	MW-6	MW-7	DW-3
RECON Sample No.	21579	21580	21581	21582
Parameter				
pH (su)	6.54	6.60	6.46	6.79
	mg/L			
Total Dissolved Solids	368	223	472	2,680

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21575-85 (XXI)

EMH

B. ANALYTICAL RESULTS

Inorganic Analysis

CLIENT: FRANKLIN PLASTICS **RECON Project No. 1575**

Sample: Water, sampled 7/02/90 in Kearny, NJ

Sample ID.	DW-4	DW-5
RECON Sample No.	21583	21584
Parameter		
pH (su)	6.65	6.41
	mg/L	
Total Dissolved Solids	3,120	2,670

Samples for this project will be retained for sixty days from the date of this report unless otherwise directed.

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